

STANDARD AGREEMENT

STD 213 (Rev 06/03)

SAMPLE AGREEMENT

AGREEMENT NUMBER

8CA02772

REGISTRATION NUMBER

1. This Agreement is entered into between the State Agency and the Contractor named below:

STATE AGENCY'S NAME

Department of Forestry and Fire Protection

CONTRACTOR'S NAME

2. The term of this Agreement is: Upon Approval through April 15, 2017

3. The maximum amount of this Agreement is: \$0.00

4. The parties agree to comply with the terms and conditions of the following exhibits which are by this reference made a part of the Agreement:

| | | |
|---|-----|-------|
| Exhibit A – Scope of Work | 21 | pages |
| Attachment 1 – Additional Specifications | 8 | pages |
| Attachment 2 – Maps and Site Plans | 31 | pages |
| Attachment 3 – Reporting Operating Costs form | 1 | pages |
| Attachment 4 – Water Drafting Log Book form | 2 | pages |
| Exhibit B – Budget Detail and Payment Provisions | 2 | pages |
| Exhibit C* – General Terms and Conditions | GTC | 610 |
| Exhibit D – Special Terms and Conditions | 2 | pages |
| Exhibit E – Additional Provisions | 7 | pages |
| Exhibit F – Digest of Laws Related to Association with Prison Inmates | 1 | pages |

Items shown with an Asterisk (*), are hereby incorporated by reference and made part of this agreement as if attached hereto. These documents can be viewed at www.ols.dgs.ca.gov/Standard+Language

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR

CONTRACTOR'S NAME (if other than an individual, state whether a corporation, partnership, etc.)

BY (Authorized Signature)

DATE SIGNED(Do not type)

PRINTED NAME AND TITLE OF PERSON SIGNING

ADDRESS

STATE OF CALIFORNIA

AGENCY NAME

Department of Forestry and Fire Protection

BY (Authorized Signature)

DATE SIGNED(Do not type)

PRINTED NAME AND TITLE OF PERSON SIGNING

ADDRESS

**California Department of General
Services Use Only**

☐ Exempt per: _____

EXHIBIT A
(Scope of Work)

SCOPE OF WORK

1. The State of California, Department of Forestry and Fire Protection (CAL FIRE) hereinafter called the STATE agrees to sell to [purchaser name] of [address], hereinafter called the PURCHASER and the PURCHASER agrees to purchase from the STATE, all the live timber designated for cutting by the STATE, and merchantable as hereinafter defined at the rate and in strict conformity with the requirements and conditions hereinafter set forth for sawlogs and other merchantable material; the PURCHASER further agrees to do other work as herein specified.

PURCHASER shall provide all materials, labor, equipment, tools, permits, taxes and fees described herein and in strict conformity with the requirements and conditions hereinafter set forth for sawlogs and other merchantable material.

A. Timber Sale Location.

All live timber designated for cutting by CAL FIRE and merchantable as hereinafter defined, on an area of about 320 acres, designated on the ground by the STATE's assigned Timber Sale Officer prior to cutting in parts of Sections 1 and 12, Township 17 North, Range 17 West, MDB&M, in the Jackson Demonstration State Forest approximately 7.5 miles southeast of Fort Bragg, Mendocino County, California, and as designated on the attached map (Exhibit A, Attachment 2) which hereby is made part of this Agreement.

B. Sale Harvest Boundary.

The boundaries of the sale area have been marked as depicted on the attached map (Exhibit A, Attachment 2) and have been examined by the PURCHASER. All trees marked for cutting, whether merchantable or not, shall be felled by the PURCHASER, unless specifically reviewed and waived by the Timber Sale Officer. No dead standing conifer trees or unmarked hardwood trees shall be felled except as provided for elsewhere in this Agreement. The PURCHASER agrees to log the merchantable conifer timber designated for cutting as described in this Agreement. The STATE does not guarantee the amount of timber designated in the estimate.

2. GOOD FAITH PERFORMANCE.

- A. By having submitted his or her bid and entering into this Agreement, the PURCHASER hereby declares the intention to timely harvest and removal of the timber designated for cutting within the harvest area described herein. If it appears to the Timber Sale Officer that the PURCHASER does not have a good faith intention to perform the scheduled harvesting, the PURCHASER shall be provided a hearing with a STATE manager who is not directly involved in operations at Jackson Demonstration State Forest in order to provide the PURCHASER with an opportunity to explain why the STATE ought not to terminate the Agreement. The STATE manager who administers the hearing shall consider all documentation and testimony provided by the STATE and the PURCHASER, and such materials shall constitute an administrative record upon which his or her decision shall be entirely based. If the STATE manager determines that the PURCHASER's intent is to not perform the specified harvesting in a timely manner: 1) the Agreement between the STATE and the PURCHASER shall be immediately terminated based on the PURCHASER's failure to perform substantial and material term(s) of the Agreement, constituting a breach of contract; 2) the PURCHASER shall be liable to the STATE for reasonable damages associated with breach; and 3) the contract may be awarded to the next highest bidder.
- B. This contract includes work to be done as mitigation for the effects of timber operations. This work can include activities in direct mitigation, off site mitigation, or compensation for the impacts of timber operations. It includes road work, installing water breaks and rolling dips, removal of stream crossings; all work done to ensure that timber operations do not result in significant effect on the environment.
- C. The merchantable species, estimated net merchantable amount by the Revised Scribner Log Rule as prepared by the Northwest Log Rules Advisory Group, July 1, 1972, the rate of payment per thousand board feet, and the estimated total value are as follows:

**EXHIBIT A
(Scope of Work)**

| Merchantable Species Value | Estimated Net Amount (Mbf) | Rate per Mbf | Estimated Total |
|--|-----------------------------------|---------------------|--------------------------------------|
| Redwood | 2,817 | [/mbf] | \$ [total value] |
| Douglas - fir | 1,078 | \$40/Mbf | \$ 43,120.00 |
| Grand fir, Western Hemlock, miscellaneous other conifers | 280 | \$40/Mbf | \$ 11,200.00 |
| TOTALS | 4,175 | | \$ [combined total value] |
| Estimate confidence interval = 25% | +/- 1,044 | | +/- \$ [25% of combined total value] |
| Maximum contract amount | | | \$(combined total value+25%) |

The 25 percent confidence interval represents the statistical variation that can be expected around the estimated sale value.

- D. All timber removed by reason of this sale shall be 100 percent scaled by a recognized, independent, third party scaling organization at the PURCHASER's expense. Additional provisions governing scaling appear elsewhere in this Agreement.

3. SCHEDULING**A. PRODUCTION RATE/PAYMENT SCHEDULE**

Unless written extension of time is granted by the Director of Forestry and Fire Protection, 2,500 Mbf of the merchantable timber designated for cutting shall be paid for and cut on or before June 30, 2016. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All merchantable timber designated for cutting must be removed, and all other timber operations must be completed by November 15, 2016. This Agreement shall terminate on April 15, 2017, by which date all requirements of the Agreement must be completed.

The STATE may grant an extension of operating time to complete operations on terms and conditions as may be specified by the STATE. No extension of the specified payment schedule shall be granted unless the PURCHASER pays, in advance, an interest payment on the outstanding timber value owed the STATE under the contract. Interest shall be payable at 0.26 percent per annum, prorated for the term of the extension. The "outstanding timber value" shall be the original contract timber value established by cruise estimate, or specified portion thereof, less the sum of payments received by the STATE as of the applicable designated payment date. Upon completion of harvesting operations, the STATE shall recalculate the interest due based upon the actual value of timber removed and the actual monthly unpaid balance during the term of the extension and adjust the final payment accordingly. Operating time extensions granted under this provision shall not alter any scheduled progress payments required above. Operating time extensions shall not be granted if said scheduled progress payments have not been received by the STATE, or if any other contractual requirements have not been met by the PURCHASER.

Once timber harvesting operations have commenced, the PURCHASER agrees to continue operations at a normal production level until all contractual provisions are completed unless shutdowns are required by wet soil conditions, hazardous fire conditions, or are otherwise approved by the Timber Sale Officer.

**EXHIBIT A
(Scope of Work)****B. PRIOR APPROVAL FOR CONDUCTING BUSINESS ON WEEKENDS/HOLIDAYS**

The PURCHASER shall notify and obtain approval from the STATE in advance on each occasion of conducting timber operations in the sale area on weekends or State holidays. Active timber operations within 1,000 feet of JDSF property boundary will be limited to the hours between 7:00 a.m. and 6:00 p.m., and shall be entirely prohibited on Saturdays, Sundays, and State holidays unless approved by the Timber Sale Officer. Within 1,000 feet of the property boundary the fueling and routine maintenance of logging equipment and the watering of logging roads are permitted between the hours of 7:00 a.m. and 11:00 p.m., without restriction to days of the week or holidays.

4. The Project Representatives during the term of this agreement will be:

| | |
|--|-----------------------|
| State Agency: Dept. Forestry and Fire Protection | Contractor:/Purchaser |
| Name: Dave Derby, Timber Sale Program Manager | Name: |
| Phone: (707)964-5674, ext. 113 | Phone: |
| Fax: (707)964-0941 | Fax: |
| Email: dave.derby@fire.ca.gov | Email: |

Direct all inquiries to:

| | |
|--|-----------------------|
| State Agency: Dept. Forestry and Fire Protection | Contractor/Purchaser: |
| Section/Unit: Business Services – Acquisition Unit | Section/Unit: |
| Attention: Jeff Kincaid II, Contract Analyst | Attention: |
| Address: P.O. Box 944246 Sacramento, CA 95815 | Address: |
| Phone: (916) 445-9942 | Phone: |
| Fax: (916) 323-1888 | Fax: |
| Email: jeff.kincaid@fire.ca.gov | Email: |

5. PURCHASER'S REPRESENTATIVE AVAILABILITY.

At all times, when construction or logging operations are in progress, the PURCHASER shall have a representative readily available to the area of such operations, who shall be authorized to receive, on behalf of the PURCHASER, any notices and instructions given by the STATE in regard to performance under this Agreement, and to take such action thereon as is required by the terms of this Agreement.

6. CONTRACT AMENDMENT.**A. Extensions.**

PURCHASER is obligated to satisfactorily complete the work on or before the contract's expiration date. If the work called for under the contract is not completed within the time specified, CAL FIRE shall have the right to extend this agreement for 1 year by amendment at the same terms, conditions and cost or not extend the time limit for its completion as may best serve the interest of the State.

EXHIBIT A
(Scope of Work)

B. Services Quantity.

The Agreement may be amended to increase or decrease services at the rate(s) specified in Exhibit B.

C. Changes.

- 1) If any conflict arises between provisions of the plans, specifications, scope of work, and any such law, then the PURCHASER shall notify the STATE at once.
- 2) Whenever the necessity for a change arises either at the request of the Contractor or at the request of the State, the either party shall prepare a full and completely detailed estimate of cost and time for the change at the direction of the State.
- 3) Changes in the work made necessary due to unexpected or unforeseen site conditions, discovery of errors in plans, specifications, or scope of work requiring immediate clarification in order to avoid a serious work stoppage, or changes of a kind where the extent cannot be determined until completed are types of emergency changes which may be authorized by the STATE.

7. PRODUCTION COST DATA.

The PURCHASER understands that the primary objective of the STATE in entering into this Agreement to log the sale area, which is a part of the Jackson Demonstration State Forest, an experimental forest of the State of California, is to provide a research and demonstration area and to determine the facts and data concerning the timber sale area and the treatment thereof through the actions of the PURCHASER under this Agreement.

The PURCHASER agrees to keep records and furnish the STATE production and cost data with respect to activities conducted pursuant to this Agreement. Required data shall include person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities required by this Agreement. The information shall be reported on a form provided by the STATE (Exhibit A, Attachment 3), or in an alternative format proposed by the PURCHASER and acceptable to the STATE. The requirement for providing production and cost data shall apply equally to any contractors or subcontractors hired by the PURCHASER to complete the projects specified above. This information will be furnished to the STATE before the performance bond or other security is released.

The PURCHASER understands that the protection of research and experimental values, the maintenance of low fire hazards, the prevention of injury to trees not designated for cutting, the creation of conditions favorable to the regeneration of the State Forest, and other provisions of this Agreement are for fulfillment of the research and demonstration purpose, and the provisions of this Agreement will be strictly enforced to that end.

8. DOMESTIC PROCESSING OF TIMBER

The PURCHASER agrees that pursuant to Section 4650.1, Public Resources Code, timber from State Forests shall not be sold to any primary manufacturer, nor to any person for resale to a primary manufacturer, who makes use of such timber at any plant not located within the United States unless it is sawn on four sides to dimensions not greater than 4 inches by 12 inches. The PURCHASER has not sold unprocessed timber harvested from private timberlands and exported it into foreign commerce from California within one year prior to the bid date and agrees to refrain from that activity for one year after contract termination.

**EXHIBIT A
(Scope of Work)**

The PURCHASER agrees that pursuant to Sections 1515-1521, Title 14, California Code of Regulations, timber in this sale shall not be substituted for timber exported by the PURCHASER obtained from other sources. The PURCHASER further agrees pursuant to Section 1517, Title 14, California Code of Regulations, to give written notice to the STATE of any or all locations where said timber will be processed until such time as the timber has been sawn to dimensions of 4 inches by 12 inches or less. The required written notice shall be provided to the STATE at least one week before commencement of delivery of logs to each processing location.

If the PURCHASER sells, exchanges, or otherwise disposes of said timber before it has received domestic processing, the PURCHASER agrees to require each buyer, exchangee, or recipient to execute a written agreement which shall:

- A. Specify domestic processing for the timber involved pursuant to Section 4650.1, Public Resources Code.
- B. Require the execution of said agreement between the parties to any subsequent transactions involving said timber.

The failure of any party to a transaction involving said timber to execute the required agreement shall constitute noncompliance on the part of the PURCHASER with the terms of this provision.

The PURCHASER shall file with the STATE a copy of each such agreement and shall retain for three years from the date of each transaction the records of all sales, exchanges, or dispositions of such designated timber. Upon request, such records shall be made available to STATE.

Any purchaser of timber from State Forests who makes or permits use of said timber in violation of Section 4650.1, Public Resources Code, or Sections 1515-1521, Title 14, California Code of Regulations, shall be prohibited from purchasing State Forest timber for a period of five years and may have his timber operator license suspended for up to six months.

9. LOG BRANDING.

The PURCHASER as required by the Timber Sale Officer shall identify all timber by making a mark with a brand provided by the STATE in a conspicuous place on the end of each log or piece of timber prior to removal from the sale area. Prior approval must be obtained in writing from the Sale Officer regarding any changes in the brand or branding procedure.

10. GENERAL UTILIZATION STANDARDS. *(See Item 12 for Utilization Standards and Practices.)*

The minimum log dimensions for utilization purposes will be 10 feet in length and 8 inches in small-end diameter. However, any material unmerchantable because of size as herein defined, removed at the option of the PURCHASER, shall be scaled and paid for at the same rate as merchantable material.

Any log segment presented for scaling shall be scaled as merchantable which has a net merchantable volume of at least 10 board feet, provided that the log segment has a net merchantable scale of at least 25 percent of the total volume, and provided that firm stain shall not be regarded as defect and no deduction shall be made for same in scaling.

11. SCALING SPECIFICATIONS.

The forest products made and all timber removed by reason of this sale shall be scaled by a recognized independent "third party" scaling organization agreeable to the STATE. Logs will be scaled as presented and results of said scales shall be conclusive and binding upon the PURCHASER and the STATE unless otherwise contested through check scale procedures. Procedures required by the STATE for implementation of "third party" scale shall be as follows:

- A. Logs shall be scaled using the Revised Scribner Decimal C Log Rule, making allowances for visible defect in accordance with the scaling practices contained in the latest National Forest Log Scaling Handbook (Chapters 20 and 30).

EXHIBIT A
(Scope of Work)

- B. Payment for scaling and reporting services performed by the scaling organization shall be made by the PURCHASER of State Forest timber, and the STATE assumes no responsibility in this regard.

If the scaling organization is the Mountain Western Log Scaling and Grading Bureau of Roseburg, Oregon, the PURCHASER shall make supplemental payments as described below to the Bureau on behalf of the STATE for subscription to and use of the Bureau's remote access electronic data reporting service, termed the Logman System. This shall be in addition to payment for printed reports and other services required elsewhere in this section.

- 1) The PURCHASER shall make a single payment of \$3,100.00, regardless of the level of harvest activity on this sale; this payment shall be made to the Mountain Western Log Scaling and Grading Bureau of Roseburg, Oregon within 7 days of contract approval.
- 2) The PURCHASER shall provide all electronic scale data obtained from any other scaling bureau to the Mountain Western Scaling Bureau.

If more than one scaling bureau is used, data shall be transmitted to a single scaling bureau designated by the STATE for a single point-source for all reports. All expenses associated with this shall be paid by the Purchaser.

The use of a STATE approved third party log and load reporting service (LLRS) is required. PURCHASER shall ensure that log volume measurement data is received by the LLRS within one business day of logs being measured. All expenses associated with this service shall be paid by the PURCHASER.

Prior to scaling STATE logs, the STATE will provide the scaling organization with a scaler information sheet. The PURCHASER shall insure that all third party scalers who scale STATE logs delivered from this sale are knowledgeable about contract specifications governing scaling requirements under this Agreement.

- C. All loads must be scaled at the first unloading point and within three working days from the date of removal from the State Forest.
- D. The scaling organization or the PURCHASER shall notify the State Forest Manager or the Manager's representative of all scaler rotations of one month or more so that the STATE may obtain adequate check scales.
- E. Organization scalers shall be required to make a copy of the scale tickets available to the STATE on those loads being check scaled by the STATE.
- F. Organization scalers shall perform the following services:
- 1) Record log species, diameter, length, and amount of defect on the scale tickets and forward such information to the scaling organization on the day of scaling.
 - 2) Scale all logs in a load at the same location and time.
 - 3) Identify with paint those loads that have been scaled and immediately notify the STATE when it is known by the scaler that a load has bypassed or been picked up from the designated scaling location before being scaled. In the event of a missed (non-scaled) load, the PURCHASER shall within five working days account for the load by the following process:
 - a) Average the gross volumes and net volumes of four loads hauled immediately prior to and four loads hauled immediately after the missed load. The ticket numbers of the loads used for calculating the averages shall be provided to the STATE for audit purposes.

EXHIBIT A
(Scope of Work)

- b) Find a representative existing scaled load that has a gross volume within one percent of the calculated average gross load volume and a net volume within three percent of the calculated average net load volume. The gross and net volumes of the selected load must be equal to or more than the calculated averages. If no representative load can be found then a log load scale ticket must be created which meets these specifications. The STATE retains the right of approval on load selection.
 - c) Using the trip ticket number of the missed load, insert the scale ticket data of the representative or created load into the scale reporting system. The load shall be included in the 15 day summary covering the time period when the data was inserted into the system. The STATE shall be notified when this occurs.
- G. The PURCHASER shall notify the STATE of any change on a scale ticket that affects the volume of the original scale after the copy has been mailed to the STATE.
- H. The scaling organization shall process scale tickets of all STATE loads daily and mail (email may be acceptable), at its expense, copies of daily scale certifications and log listings to the State Forest Headquarters. Semi-monthly scaled volume summaries as of the 15th and the last day of the month are required to be mailed to the State Forest Headquarters. Semi-monthly summaries shall provide gross and net volume totals by species. When adjustments are required to compensate for omissions or errors in daily scaled volume summaries, the STATE may request the scaling organization to issue an adjusted summary report for those specified time periods. The PURCHASER shall also be notified by the STATE when such an adjustment has been made.
- I. At least three loads scaled within the previous five operating days shall be left rolled out in the mill yard where scaled to facilitate check scaling, unless otherwise approved by the Sale Officer.
- J. The scaling organization shall conduct a minimum of one check scale per month per scaler during the operating season to document scaler proficiency. Standards for proficiency shall be taken from Section 64 of the National Forest Log Scaling Handbook. Copies of such check scales shall be furnished to the STATE within 10 days of completion of said check scales. The STATE reserves the right to check scale organizational scalers at intervals determined by the STATE.
- K. If, through STATE check scales, it is found that a scaler's work is unacceptable, the STATE will notify the scaling organization and the PURCHASER and request a check scale to be submitted to the STATE within 10 working days. Should remedial action fail to achieve correction, the STATE may immediately terminate the acceptance of the scaler's work until the scaler's competence is mutually certified by all concerned parties. PURCHASER scaling complaints shall be jointly and promptly investigated by the STATE and the scaling organization. The STATE may terminate third party scaling and assume scaling responsibilities at any time if the scaling organization's scale or records are unacceptable to the STATE. The PURCHASER shall pay the STATE a surcharge on stumpage payments of \$5.00 per thousand board feet net scale for all timber scaled by the STATE or by a hired agent of the STATE following termination of third party scaling pursuant to this paragraph.
- L. The maximum scaling length shall be 20 feet. Greater lengths shall be scaled as two or more logs, making allowance for taper. When the scaling lengths into which a log is divided for scaling are unequal, the longer length or lengths shall be considered as lying in, or toward the larger end of the log. Scaling lengths of multiple length logs shall be computed in accordance with the scaling practices contained in the latest National Forest Log Scaling Handbook.
- M. Allowance for trim shall not exceed 6 inches for each 20 feet of length or fraction thereof. Logs overrunning the specified trim allowance shall be scaled to the next higher foot in length.
- N. Logs shall be scaled at the small end and the average diameter inside bark taken to the nearest inch. Logs 21 feet and longer shall be measured at both ends and the average diameter inside bark taken to the nearest inch. Taper in logs 21 feet and over will be distributed according to the latest National Forest Log Scaling Handbook (Chapter 10). Taper in butt logs 21 feet and over shall be distributed according to USFS Supplement 4 dated March 1987, for all species as follows:

**EXHIBIT A
(Scope of Work)****DIAMETER TAPER FOR BUTT LOGS 21 FEET AND OVER - ALL SPECIES**

| <u>Log Length</u> | <u>Taper</u> |
|-------------------|---------------------------|
| 21 to 27 feet: | 2" |
| 28 to 40 feet: | 4" |
| 41 to 51 feet: | 6" |
| 52 feet and over: | butt measurement required |

- O. The STATE shall provide the PURCHASER with a sufficient supply of five-part load receipts to identify each load of forest products removed. The fifth copy (card stock) shall be affixed to the load and shall stay with the load until decked. The white original shall be retained in the load receipt booklet and returned to the Timber Sale Officer by the operator as called for.

The PURCHASER may, on approval, provide equivalent load receipts to be used in place of the STATE's form. If the PURCHASER's forms are used, the PURCHASER shall provide to the STATE a sufficient quantity of forms for the estimated volume to be removed, prior to commencement of operations, forms to then be distributed to the operator by the Sale Officer. The STATE's copies of the load receipts shall remain in the load receipt booklet until collected by the Sale Officer.

To provide additional identification of loads of forest products removed, the PURCHASER shall paint the last three digits of the load receipt number on the rear end of each of the two outside bunk logs of each load. The PURCHASER shall provide for this purpose a sufficient quantity of high-visibility aerosol paint of a quality and color acceptable to the STATE.

- P. To facilitate monitoring of periodic sale volume harvested, the PURCHASER shall (1) record unit identification on each log load receipt presented to the STATE, and (2) provide a weekly report of feller days and volume felled by unit. Weekly falling information is to be available for collection by the Timber Sale Officer or delivered to the State Forest headquarters no later than the following Tuesday.

12. UTILIZATION STANDARDS AND PRACTICES.

The PURCHASER agrees to the following utilization standards and practices:

- A. Only that merchantable downed timber that is designated by the Timber Sale Officer shall be removed, and it shall be scaled the same as timber felled under this Agreement. Other downed timber, whether merchantable or not, shall be left in place, except where it occurs within the clearing limits for construction of truck roads and landings. Snags, whether merchantable or not, shall be left standing unless they must be felled for road or landing construction, for cable corridors, for safety reasons, or for fire protection purposes as designated in the Timber Harvesting Plan or by the Sale Officer.
- B. Stumps shall be cut as low as possible and in no case shall be over 12 inches on the uphill side except where more height is needed to save timber or insure safe working conditions. Stumps which are not cut in accordance herewith and which should have been so cut in the judgment of the Timber Sale Officer shall, at the STATE's option, be either recut to 12 inches or less, if redwood, or paid for at the rate of \$15.00 each. Such payments shall be regarded as liquidated damages in view of the difficulty of determining the actual damage to the STATE through wastage of the quantity and quality of the material involved.
- C. All merchantable conifer trees felled by the PURCHASER shall be utilized to the fullest extent practicable, and at least to a top diameter inside bark of six inches. Maximum log length, including trim, shall be 41 feet unless longer lengths are approved in writing by the STATE.

**EXHIBIT A
(Scope of Work)**

- D. The PURCHASER shall make every effort to conduct the felling operations to prevent careless or unnecessary breakage of timber. All trees designated for cutting shall be felled within the timber harvesting plan boundaries to the fullest extent practicable, considering locations of watercourses, felling damage, yarding method, and damage to leave trees. No trees shall be felled across the State Forest property line. When topography, lean of tree, regeneration and residual timber, location of roads, landings, watercourses, utility lines and buildings permit, all trees shall be felled in line with skidding direction. Gulch bottoms and other areas of heavy stands of timber as designated by the Timber Sale Officer shall be felled and logged in two or more stages in order to minimize blocked layouts and breakage.

Cable tree-pulling methods shall be used where needed to prevent unnecessary breakage to all trees having volumes in excess of 1,500 board feet, to prevent felling of trees into or across watercourses, or to control felling direction near utility lines, public roads and property lines. Where poor volume recovery is expected because of anticipated breakage, the Sale Officer may specify that individual trees otherwise designated for cutting shall be left standing.

All fallers shall be equipped with falling wedges at all times. Fallers working in the Watercourse and Lake Protection Zones shall have ready access to and be knowledgeable in the use of tree-falling jacks and shall use them as necessary to direct the fall of trees away from watercourses.

- E. Timber wasted in tops, timber wasted by careless or improper bucking, timber broken in careless felling, and any timber merchantable according to the terms of this Agreement which is cut and not removed from any portion of the cutting area when operations on such portions are completed, or before this Agreement expires or is otherwise terminated, unless such wastage or nonremoval involves small amounts, and in the judgment of the Timber Sale Officer, is justified by existing conditions, shall be paid for at double the stumpage price in this Agreement. The amounts herein specified shall be regarded as liquidated damages as it will be impractical or extremely difficult to fix the actual damage.

Unless extension of time is granted by the Director of Forestry and Fire Protection, the right, title and interest to any timber for which payment has been made under the provisions of this section shall revert to the STATE without compensation unless it shall have been removed from any portion of the sale area accepted by the Sale Officer by the date of that acceptance as designated in accordance with provisions hereunder.

- F. Cull logs or conifer species not merchantable as defined in the Agreement, removed in separate truck loads from the sale area at the request of the PURCHASER and with the prior written approval of the STATE, shall be paid for by the PURCHASER at the rate set forth in Exhibit B, "Budget Detail and Payment Provisions, Item 2A "Payment Schedule".
- G. When approved in writing by the STATE, hardwood trees felled, knocked down or damaged by logging operations may be removed by the PURCHASER under conditions prescribed by the STATE. Hardwoods removed from the sale area shall be paid for at the rates set forth in Exhibit B, "Budget Detail and Payment Provisions, Item 2A "Payment Schedule".

13. TIMBER HARVEST PLAN (1-14-058 MEN)

- A. The Forest Practice Rules for the Coast Forest District, and the Timber Harvesting Plan for this timber sale (THP number 1-14-058 MEN), are hereby made a part of this Agreement, and the PURCHASER agrees to comply with each and all of the terms thereof in the same manner as if said Timber Harvesting Plan and Rules and each thereof were set forth at length in this Agreement. Rules or regulations which become effective during the term of this agreement, and any amendments to the Timber Harvesting Plan, shall be adhered to by the PURCHASER to the extent required by law.

Operating conditions and specifications shall be modified as required to comply with changes in the legal status of, or in the laws pertaining to protection measures for, any species under the federal Endangered Species Act. Such modifications shall be agreed upon mutually by the STATE and the PURCHASER.

EXHIBIT A
(Scope of Work)

Timber operations required under this Agreement shall be conducted by a Licensed Timber Operator. On completion of timber operations satisfactory to the Timber Sale Officer on that portion of the Timber Harvesting Plan area for which each Operator is responsible, the Operator shall certify by letter to the STATE that all operations are complete and that they comply with the Forest Practice Rules and the Timber Harvesting Plan. The STATE may prepare annual partial completion reports when it is in the STATE's interest to do so.

Forest Practices and operational procedures in addition to those set forth in the said Rules and Timber Harvesting Plan shall be required as follows:

- 1) A pre-work conference to be attended by representatives of the STATE, the PURCHASER, and all timber operations subcontractors is required before any timber harvesting activities may begin. A detailed logging plan for the sale area shall be prepared and submitted by the PURCHASER to the Timber Sale Officer for approval at least two working days prior to the pre-work conference. The logging plan shall include the locations of any proposed new landings and roads not anticipated in the Timber Harvesting Plan; a schedule of road construction, felling, logging, cleanup, and other operations within the sale area; and the number, types and special requirements of the equipment to be used in the sale area.

Also required are pre-work conferences for any other projects associated with this Agreement, with attendance by representatives of the STATE, the PURCHASER, and all project subcontractors. The PURCHASER is responsible for ensuring that all contractors are provided with relevant portions of any applicable documents, including the Timber Harvesting Plan, the Timber Sale Agreement, and permits from other agencies.

The PURCHASER shall notify the Timber Sale Officer of any changes in the numbers or types of logging equipment or personnel assigned to the sale area that may affect productivity.

- 2) All logging operations shall be by natural logging areas and in an efficient, orderly, and progressive manner, unless otherwise approved by the Timber Sale Officer. The STATE may designate the sequence in which the units are to be logged.

No timber operations shall be conducted after January 31 of any year until the STATE or the PURCHASER has completed required surveys for northern spotted owls, and extension of the No-Take determination has been received from the appropriate reviewing agency. Presence of owls in or near the sale area may impact the conduct, extent or timing of harvesting operations.

No timber operations shall occur between November 15 and April 1, except that limited ongoing operations may continue past November 15 until two inches of rain, as measured by the STATE, has fallen, as described in the Timber Harvesting Plan. Timber felling and road maintenance are permitted in the winter period, as described in the Timber Harvesting Plan.

- 3) In the sale area not designated for skyline yarding, any method of yarding other than by means of crawler tractor or rubber-tired skidder shall be employed only with the advance approval of the Timber Sale Officer, and under such conditions and restrictions as may be required. Equipment used for skidding logs shall be equipped with winches and fair-leads. Grapple skidding equipment may be used only with the advance approval of the Sale Officer.

The locations of all existing skid trails to be reused and new skid trails to be constructed shall be flagged by the Timber Operator at least two weeks prior to their intended use, failure to do so by the LTO may result in unnecessary delay in harvesting. Timber Sale Officer will be notified when an area has been flagged for skid trails and landings and location approval by the Sale Officer is required prior to use. If timber felling substantially obliterates skid trail flagging, the Timber Operator shall reflag the locations of approved skid trails prior to their construction or reuse. Heavy equipment shall not be operated within cable areas, equipment exclusion zones, or equipment limitation zones unless their use is in compliance with the Timber Harvesting Plan and approved by the Sale Officer.

EXHIBIT A
(Scope of Work)

- 4) The width of tractors or other equipment used for skidding purposes shall not exceed 10 feet 6 inches without written permission of the Sale Officer, except that a width of up to 12 feet will be permitted for adverse skidding. Rubber-tired equipment shall not be operated off of approved skid trails and truck roads. Tracked equipment shall not be operated off of approved skid trails or roads unless specifically authorized in each case by the Sale Officer.
- 5) Minimum distance permitted between new skid trails will be 100 feet measured along the surface of the ground unless specifically waived in each case by the Sale Officer.

Tractors shall not be used to forward logs on well established truck roads (bed and grade established) unless specifically approved by the Sale Officer.

At all times of the year, erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of the day if the U. S. Weather Service forecast is a "chance" (30 percent probability or more) of rain before the next working day, or at any time that the equipment needed to install such structures leaves the sale area.

The Timber Sale Officer may suspend timber operations in whole or in part when environmental damage may result from the operation of equipment in logging or hauling the timber included in this Agreement. Operations shall not resume until approval is given by the Sale Officer.

- 6) No unnecessary damage shall be done to regeneration, hardwoods, and leave trees. To the greatest extent feasible, leave trees greater than 12 inches DBH shall not have bark torn back from the bole of the tree by log skidding equipment, whether by ground-based or skyline yarding equipment. Leave trees damaged in logging, as described in the Timber Harvesting Plan, shall be cut and paid for, if so required by the Timber Sale Officer. Trees specifically marked for leave, and all unmarked trees in watercourse and lake protection zones, shall be protected to the fullest extent feasible.
- 7) Each merchantable tree that is felled shall be bucked to log lengths, limbed to the 8-inch top, and the top bucked at the time of felling. This requirement shall apply to marked trees and also to any unmarked trees felled for safety reasons, in clearing for road or landing construction, as directed by the Timber Sale Officer for cutting of damaged trees, or as otherwise necessary for the conduct of harvesting operations.
- 8) All slash created by timber operations within 100 feet of JDSF Roads 408, 730 and 740 shall be lopped to the extent that no portion shall remain over 30 inches above the ground. Prior to October 15 of each operating season, and concurrent with lopping activities conducted after that date, slash and other logging debris shall be removed from truck road surfaces, cut banks, ditches and berms, and from the inlets and outlets of culverts, unless otherwise directed by the Timber Sale Officer.
- 9) To reduce fire hazards, concentrations of slash and logging debris created by the logging operations around landings or located within the sale area shall be piled and isolated for burning as specified by the Timber Sale Officer; or, where designated, landing slash shall be placed to block skid trails where they lead onto truck roads or landings, or shall be spread along skid trails and packed by dozer track to reduce erosion. Waste piles shall be kept substantially free of soil. On slopes greater than 20% where piles are to be burned, they shall be isolated by building a 10-foot wide fire line to mineral soil using hand tools. On slopes of 20% or less a dozer may be used to build the fire line. Fire lines shall be waterbarred at the time of construction.

Where slash is piled for burning, the PURCHASER shall provide a sufficient quantity of 80 lb water resistant kraft paper and shall cover a minimum 10-foot by 20-foot section near the center of each pile, weighting the paper adequately to hold it in place during windy weather.

**EXHIBIT A
(Scope of Work)**

To reduce vehicular traffic on skid trails and new seasonal roads, concentrations of slash and logging debris created by logging operations around landings or located within the sale area shall be placed to block skid trails or new road construction, slash and logging debris shall be packed by a dozer for a minimum of 100 feet from JDSF Roads 730 and 740 and County Road 408.

- 10) Section corners, quarter section corners, meander posts and bench marks shall not be destroyed, defaced or removed to another place, nor shall any witness trees be cut or scarred. Should corners, meander posts or bench marks be accidentally destroyed, the PURCHASER shall be responsible for their replacement by a licensed land surveyor, and all notes, plates or records shall be delivered to the STATE for its approval and files.
- 11) Timber to be harvested in the area designated for cable logging on the attached timber sale map (Exhibit A, Attachment 2) shall be yarded using a standing, live or running skyline system which meets the following requirements:
 - a) Holds the skyline carriage stationary until logs are yarded laterally to the skyline corridor.
 - b) Can yard laterally a distance of at least 100 feet perpendicular to the skyline corridor.
 - c) Supports logs clear of the ground as the carriage moves along the skyline when logs are above Class I or II watercourses and, to the greatest extent feasible, within Class I or II Watercourse Lake Protection Zones to avoid unnecessary damage to riparian soil and vegetation. In other locations, logs shall be yarded with at least one end suspended, provided logs follow directly behind the skyline carriage.
 - d) Is capable of yarding for a slope distance of approximately 1,500 feet from the landing, and which can reach a slope distance of approximately 2,000 feet to the tailhold.
 - e) Can be used to pull trees against their lean.

The practice of tight-lining to move yarder lines to their next position shall not be used.

- 12) The locations of all cable corridors shall be flagged and mapped by the Timber Operator for approval by the Timber Sale Officer prior to rigging. The distance between corridors shall not be less than 200 feet at the back of the cable road without approval of the Sale Officer. Specific approval from the Timber Sale Officer is required for backside yarding across any designated watercourse.
- 13) Except in the Watercourse and Lake Protection Zone, unmarked trees within approved yarder cable corridors may be felled before rigging and yarding, but not to exceed a pre-cut corridor width of 10 feet as determined by the centerline of the entire corridor from the yarder location to the tailhold, or wider if approved in advance in each case by the Sale Officer. Within the Watercourse and Lake Protection Zone, only those trees which directly interfere with the movement and safe operation of yarding cables may be cut. [Trees may not be cut within a WLPZ of a Class I watercourse]. The Sale Officer may specify that such corridor trees felled within the WLPZ be left on the ground, and if provided for in the Timber Harvesting Plan, that they be felled towards or across the watercourse. Trees leaning into or over the corridor may be felled only if they jeopardize the safety of the operation. Unmarked trees removed from the yarder cable corridors shall be logged and paid for at the same rate as marked timber. Trees pulled over during cable logging operations shall be bucked to log lengths, with the roots and top removed, before yarding.

EXHIBIT A
(Scope of Work)

- 14) All rigging shall be slung on stumps as far as practical. With the advance approval of the Sale Officer, leave trees may be used as spar trees or felled to provide suitable stumps for rigging purposes, provided that the merchantable timber in such trees shall be paid for by the PURCHASER in full at the rate set forth in Section 1. Spar trees shall be felled following their use as spar trees except where not required by the Sale Officer. With advance approval, the PURCHASER may utilize fabric straps on standing trees in lieu of cable straps for tail hold, guy anchor, or spar tree rigging, where such use of standing trees is in compliance with applicable safety regulations.

The PURCHASER may be required to rig tail trees or lift trees to overcome difficult deflection situations.

- 15) Any use of tractors in the area designated for skyline yarding shall have prior written approval of the Sale Officer, and must be provided for in the Timber Harvesting Plan. Throughout the sale area, red and white striped flagging marks the limit beyond which heavy equipment may not travel without approval. These limits are shown on the attached maps (Exhibit A, Attachment 2) and where mapped adjacent to a road or landing, the travel limit for heavy equipment is the road or landing.
- 16) The PURCHASER and PURCHASER's agents may post temporary signs in order to display on-site messages (e.g. haul route mile posts, CB channel, etc.). Signs shall be removed once their function is completed, and in all cases before the term of this Agreement. No messages are to be painted on any tree, rock, stump, or other permanent feature.
- 17) Any flagging used by the PURCHASER in the sale area shall correspond to the table of flagging colors in the Timber Harvesting Plan, or shall otherwise be approved by the Timber Sale Officer.
- 18) At any time that cable lines cross any Forest road, including roads within the sale area, the PURCHASER shall place warning signs to notify traffic of the location of the lines, and shall block the road or shall have a person stationed on the road to control traffic when lines are being raised or lowered, or when cable road changes are being made. As directed by the Timber Sale Officer, when such roads might be used by other than the PURCHASER or the Sale Officer, the PURCHASER shall either block the road from both sides or provide a flag-person for traffic control.
- 19) The PURCHASER'S Licensed Timber Operator shall be responsible for maintenance of erosion controls on all skid trails and truck roads used by that Operator until the work completion report for the Timber Harvesting Plan has been approved by the Director of the Department of Forestry and Fire Protection.
- 20) As called for by the Timber Harvesting Plan or by Department of Fish and Game stream alteration permits, the PURCHASER shall provide and apply seed and straw or slash mulch for erosion control purposes. In addition, bare soil associated with equipment disturbance within WLPZs and ELZs that exceed 100 square feet are to be mulched to achieve at least 95% coverage to a minimum depth of four inches.
- 21) The PURCHASER shall provide and use trash cans for papers, cans, oil filters and other debris. Broken chokers, wire rope and other debris shall be removed and all trash shall be disposed of at a public disposal facility.

Within 100 feet of any truck road or log landing, human waste shall be buried immediately at a depth of at least 12 inches. Human waste shall not be deposited within any Watercourse and Lake Protection Zone or any Class III Watercourse Equipment Limitation Zone.

- 22) The PURCHASER shall haul and dispose of all existing trash (ex. tires, metal tanks, etc.) located within 100 feet of all proposed roads and JDSF Road 730. Trash removed shall be disposed of at a public disposal facility.

EXHIBIT A
(Scope of Work)

14. HARVEST ONLY DESIGNATED TREES.

The PURCHASER shall cut all and only those trees designated for cutting. No timber shall be removed from the State Forest until scaled or released by the Timber Sale Officer.

Merchantable timber designated for cutting by the Sale Officer for the construction of landings, bridges, or roads, or for the reconstruction, rehabilitation, or improvement thereof, or for development of rock quarries, within the sale area or for access thereto, shall be paid for at the rates set forth in Exhibit B, "Budget Detail and Payment Provisions, Paragraph 2. "Payment Schedule".

15. LIABILITY/DAMAGES PAYMENT RATE.

It is agreed that because of the effect upon the State Forest land as a whole and upon its future productivity and because of the nature of the case, it will be extremely difficult and impractical to fix the actual injury to the STATE by the following type of breaches of this Agreement by the PURCHASER:

- A. The failure to remove all merchantable material designated for cutting as agreed herein; and
- B. The loss of merchantable timber from fire, or from other injury caused by the PURCHASER or which the PURCHASER might have prevented and by the terms of this Agreement the PURCHASER is required to prevent; and
- C. The cutting or severely damaging by logging of leave trees as agreed herein.

And it is further agreed that by reason of such extreme difficulty and impracticability the PURCHASER shall pay to the STATE for such merchantable material the PURCHASER so fails to remove, and for merchantable material so lost or damaged, at double the rate hereinbefore set forth, provided that such payments shall not release the PURCHASER from liability for any damage suffered by the STATE in addition to the value of said trees so not removed or lost or cut or damaged as aforesaid shall be regarded as liquidated damages. In cases of occasional injury as described above and involving small amounts of material only, the Timber Sale Officer will use discretion and judgment in determining whether any breach of contract has occurred within the meaning of this paragraph.

16. PROTECTION OF STATE FOREST INFRASTRUCTURE.

All telephone lines, ditches, pipelines, water developments, power lines, and fences; and all structures, and improvements located within or immediately outside the exterior boundaries of the sale area, shall be protected so far as possible in logging operations, and if damaged, shall be repaired immediately by the PURCHASER at PURCHASER's expense; and the Timber Sale Officer may, when it is necessary, require the PURCHASER to move or cause to have moved, any such lines or fence from one location to another.

Roads shall at all times be kept free of logs, slash and debris resulting from the PURCHASER'S operations hereunder. Any road used by the PURCHASER in connection with this sale that is damaged through such use shall promptly be restored by the PURCHASER to its original or better condition at the PURCHASER's expense.

17. FOREST ROADS.

Logging roads, skid trails, bridges, watercourse crossings, and landings shall be constructed in a manner consistent with the goals of good forest management. Operations in or near sensitive or critical areas will be reviewed and approved by the Timber Sale Officer. The Sale Officer will use whatever means are necessary to insure that operations conform to the approved specifications.

**EXHIBIT A
(Scope of Work)**

- A. Roads and landings to be constructed or reconstructed by the PURCHASER shall be built and maintained in accordance with applicable Forest Practice rules. Except where more specific instructions are given elsewhere in this Agreement or in the Timber Harvesting Plan, roads and landings shall be constructed to the following specifications:
- 1) Cut and Fill Slopes: Normal fill slopes will be 1½:1 minimum; normal cut slopes will be ½:1, or as determined on a site specific basis by the Timber Sale Officer. In solid rock, and in construction of temporary roads, cut slopes may be steeper. In localized unstable soils, slopes shall be flattened as determined by the Sale Officer, but not to exceed 2:1.
 - 2) Compaction: Structural fill shall be compacted by dozer track in lifts not to exceed eight (8) inches in depth, or by compactor in lifts not to exceed twelve (12) inches in depth. Compaction shall be equal to or greater than the natural state of the soil or a minimum of seventy (70) percent relative degree of compaction. Woody material shall not be deposited in fills.
 - 3) Width: The standard roadbed width for straight road sections shall be 14 feet, including a one-foot shoulder on each side of a 12-foot traveled surface, with additional width on curves as needed to allow passage of log trucks. Roadbed width is measured from the base of the cut slope to the top of the fill slope. The maximum width allowed on minimum-radius switchbacks is 20 feet. Excavation shall be limited to that necessary to construct the minimum road width. New roads constructed wider than these standards shall be narrowed by pulling back excess fill or sidecast and placing it at locations designated by the Timber Sale Officer. Normal spacing for turnouts is 1,000 feet.
 - 4) Radius of Curvature: 50 feet minimum.
 - 5) Construction Method: Excess material shall not be sidecast onto slopes greater than 65%. On side slopes exceeding 50%, new roads shall be full bench construction, keeping sidecast to less than three feet in thickness by drifting excess excavated material along the road surface or utilizing it as fill elsewhere. Length of through-cut sections shall be minimized, and shall in no case be longer than the standard waterbar spacing unless provision is made for disposal of road surface water.
 - 6) Surface Drainage: Unless otherwise specified, roads shall be constructed and maintained with a 2-5% outslope and without a berm or inside ditch. The road surface shall be insloped or bermed only where needed to direct water to a drainage facility or away from a sensitive area. Where grade is 7% or less, permanent and seasonal roads shall have rolling dips incorporated into their running surface during their construction at locations proposed by the PURCHASER and approved by the Timber Sale Officer. Spacing between rolling dips shall be consistent with the waterbreak spacing requirements of the Forest Practice Rules and the Timber Harvesting Plan. Rolling dips shall be constructed in accordance with the attached diagram, Exhibit A, Attachment 1. Where grade of permanent or seasonal roads is more than 7%, waterbreaks or other suitable forms of water dispersal, shall be installed by bulldozer at locations specified or approved by the Sale Officer upon completion of use of the road for log hauling, but prior to final road grading.
 - 7) Landings: The locations and extent of all new landings shall be approved in advance by the Sale Officer. No landings shall be constructed on Road 740 unless with advanced approval by the Sale Officer.
 - 8) New Road Construction off of County Road 408: The Purchaser shall comply with an encroachment permit from the Mendocino County Department of Transportation (Exhibit A, Attachment 2). When building new road off of County Road 408, the PURCHASER shall not cut into the running surface of the existing road. Any berm along County Road 408 may be bladed off if needed to facilitate new road construction. In order to avoid cutting into Road 408, a through-fill may be constructed until new road construction is off of Road 408. The PURCHASER shall rock all new encroachments to County Road 408 for a minimum distance of 20 feet from the edge of the county road and to a minimum compacted depth of 6 inches unless directed otherwise by the Sale Officer. All encroachments off of Road 408 shall be constructed and completed prior to October 15, 2015.

**EXHIBIT A
(Scope of Work)**

- B. Where the Timber Sale Officer has set construction stakes or marked trees or placed flagging to establish road centerlines and grades or cut and fill markers for road work, culverts, erosion control or other necessary structures, these markers shall constitute the field control by and in accordance with which the PURCHASER shall govern and execute the road or other work as portrayed on such road plans, profiles, or specifications furnished the PURCHASER.
- C. Prior to excavation for new road or landing construction, trees and other live woody vegetation greater than two inches dbh within the designated right-of-way shall be felled. Any tree boles or portions thereof six inches in diameter and eight feet in length, or larger, whether merchantable or not, shall be limbed, cut to lengths not exceeding the maximum log length allowed in this Agreement, and removed to landings or to other disposal sites approved by the Timber Sale Officer. Remaining limbs, tops, slash and other woody debris shall not be mixed with or buried by excavated material, but may be windrowed below the toe of the fill or sidecast slope.

All new road construction shall be done by using a hydraulic excavator, or by using a bulldozer equipped with a square or semi-U blade. Provisions elsewhere in this Agreement may further specify the equipment to be used. No material or debris removed from the right-of-way shall be deposited in watercourses or drainage channels. After the road bed has been substantially completed, it shall be given appropriate surface drainage as specified in Paragraph 17.A(6) above, or as otherwise directed by the Sale Officer. Prior to its use as a log truck access road it shall be shaped and dressed with a grader in conformance with all finish lines, grades and typical cross sections or specifications furnished by the STATE. Side slopes shall be finished in a neat manner with no undercuts or overhanging edges.

- D. The PURCHASER shall furnish new corrugated metal or polyethylene pipe culvert, metal downspout, and metal stakes in accordance with the attached culvert materials list (Exhibit A, Attachment 1). The PURCHASER shall provide any additional materials needed to perform the work required below. The PURCHASER shall install culverts and downspouts and do other associated work in locations designated by, and to the specifications of, the Timber Sale Officer and as shown on the attached road work list and map (Exhibits A, Attachments 1 and 2) and culvert installation specifications (Exhibit A, Attachment 1). Any additional culvert or drainage facility material needed for unanticipated road drainage structure installations or to lengthen or enlarge designated installations will be provided by the STATE and shall be installed by the PURCHASER. Any culvert, culvert couplers, or downspout listed in Exhibit A, Attachment 1 which is required to be provided by the PURCHASER and which is surplus following completion of all specified work shall be retained by the STATE and shall be delivered by the PURCHASER to the STATE'S yard adjacent to the Parlin Fork Conservation Camp within 30 days of completion of log removal from the sale area.

All required culvert installations on existing roads shall be completed prior to log hauling on those roads, and not later than October 15 of the first year of operations in the sale area. Culvert and downspout installations on roads to be constructed shall be concurrent with road construction and prior to their use for hauling timber.

The culvert shall be laid to lines and grades approved by the Timber Sale Officer. Where culverts are being placed in live streams, the flowing water shall be impounded and diverted around the work site, and any other provisions of the Timber Harvesting Plan or Stream Alteration Permit shall be adhered to. Culverts installed as watercourse crossings shall be placed at the grade of the natural stream channel such that downspouting is not needed, unless specified otherwise. Trench width shall be sufficient to accommodate compacting equipment on each side of the culvert. Bedding and backfill material shall be well graded, and shall be substantially free of woody material and large rocks. The culvert bed shall be smoothed to grade and bedding material shall be shaped and packed to provide firm support for the full culvert length. Haunches shall be well compacted, and all backfill shall be compacted in six-inch lifts, using a powered mechanical compacting device.

For installations done after July 15, or at any time that backfill material is too dry for good compaction, backfill shall be watered during placement and compaction to increase its moisture content to an appropriate level for the type of soil.

**EXHIBIT A
(Scope of Work)**

Where trenches are excavated in existing permanent or seasonal roads for culvert or other work, the disturbed portion of the road surface shall be restored by surfacing with a minimum six-inch compacted layer of 1"-3" coarse crushed rock provided by the PURCHASER. The amount of rock needed for each installation is noted on the Work List (Exhibit A, Attachment 1). Backfill and rock shall be mounded over the disturbed portion of the road to allow for settling of fill, and a berm shall be constructed as necessary to protect the fill slope from erosion caused by road runoff.

Unless otherwise approved by the Sale Officer, culvert outlets shall be cut back and downspouts installed so that the downspouts are in contact with the ground throughout their entire length. Downspouts shall be secured by wrapping with wire to metal fence pickets driven solidly into the ground. Energy dissipaters made up of suitable native material shall be placed at the outlets of culverts and downspouts, and at culvert inlets as directed by the Sale Officer. Trench construction, pipe bearing surfaces, and back-filling shall be approved by the Timber Sale Officer. The Sale Officer shall be given at least two business days' notice of the date(s) of culvert installations.

The PURCHASER shall install a metal fence picket culvert marker at the head of each installed culvert in accordance with the instructions of the Sale Officer.

All inlets and outlets of existing and installed culverts on any roads used or constructed by the PURCHASER shall be kept open to their full capacity at all times. The PURCHASER shall replace or repair any culverts, downspouts, or culvert location stakes lost, damaged, or destroyed by the PURCHASER's operations. All old culvert and debris resulting from culvert replacement shall be crushed and disposed of by the PURCHASER at a public disposal site.

- E. The PURCHASER shall protect existing watercourse crossing structures on State Forest land from any damage that might be caused by PURCHASER's equipment and/or loads in the performance of this Agreement. Any bridge or culvert used by the PURCHASER on State Forest land in connection with this sale that is damaged or injured through such use shall promptly be restored by the PURCHASER to its original condition at the PURCHASER's expense. STATE bridges and culverts are designed for highway loads unless load signs are posted.
- F. All Forest roads and landings which are used by the PURCHASER for decking, loading or hauling logs or for other operations conducted under this Agreement, including roads used by timber fallers or rigging crew, and roads used for hauling rock or water for use on the sale area, shall be maintained by the PURCHASER in serviceable condition during and immediately following periods of use at the PURCHASER's expense.
- G. Road or landing use shall be discontinued if firm, stable road and landing surfaces acceptable to the Timber Sale Officer cannot be maintained, or if trucks cannot operate under their own power and the PURCHASER shall take measures necessary to improve the condition of the road or landing. These measures may include stabilizing the road or landing surface with rock and geotextile fabric, or postponing further use of the road or landing until a period of drying allows the surface to become firm and stable. Saturated loose material and fines that accumulate on the road or landing surface shall not be bladed off to permit hauling without specific approval from the Sale Officer in each case. Such material must be bladed back onto the road or landing after it has dried. Additional wet weather road use restrictions appear in Item 18 of the Timber Harvesting Plan.

Truck roads shall be treated for dust control in one or a combination of the following ways:

- 1) Truck roads will be watered daily and graded as necessary to maintain a good road surface as designated by the Timber Sale Officer. Watering shall be done in the evening or early morning so that water penetrates the road surface before hauling begins, and shall be repeated during the day if necessary to maintain a stable road surface.

**EXHIBIT A
(Scope of Work)**

- 2) Truck roads may be treated using lignin or other surfacing chemicals approved by the Timber Sale Officer. Treatment must be in accordance with manufacturer's specifications and reapplied as necessary to maintain a dust-free environment. Any ruts or chuck holes that develop on said roads after surfacing shall be immediately removed by grading or patching. If the PURCHASER is unable to maintain a good road surface by this method, the Sale Officer by written notice may require the PURCHASER to maintain the roads in accordance with paragraph 17.g.(1) of this Agreement.
- H. The STATE has water sources that the PURCHASER may use for road watering as directed by the Timber Sale Officer. When the STATE cannot provide water for road watering as directed by the Timber Sale Officer, the PURCHASER shall provide water as necessary for road watering and maintenance. When the PURCHASER is directed by the Timber Sale Officer to provide water from alternative sources at the PURCHASER's expense for road watering and maintenance, the PURCHASER shall be compensated at a rate of \$270.00 per mile of watered road for each day water is delivered from the alternative source. The STATE shall deduct the total value of the alternative source water from the final stumpage payment.

To facilitate monitoring of water supplied the PURCHASER shall provide a weekly report of PURCHASER supplied water on the attached Water Supply Reporting Form (Exhibit A, Attachment 4,) or an alternative form provided by the PURCHASER, approved by the Timber Sale Officer. Weekly information water supply information shall be delivered to the State Forest headquarters no later than the following Tuesday.

The PURCHASER shall comply with a Department of Fish and Game Stream Alteration Permit obtained by the STATE. A copy of the approved permit shall be provided by the STATE prior to commencement of permitted activities.

- I. The preferred haul route is via County Road 408 and JDSF Roads 500 and 451A north and east to State Highway 20. The PURCHASER shall provide and apply one application of calcium lignosulfonate (lignin), or an equivalent dust treatment substance acceptable to the STATE as called for by the Timber Sale Officer for dust abatement on 4.0 miles of road to be treated beginning from the new encroachment located south of the intersection of JDSF Road 640 and County Road 408, continuing north on County Road 408 to the intersection of JDSF Road 500, then easterly along JDSF Road 500 and County Road 408 to the intersection of JDSF Road 451A, continuing north on Road 451A to State Highway 20 as shown on the General location map (Exhibit A, Attachment 2). The road shall be prepared by ditch maintenance, grading, watering and shaping as needed prior to application. Any areas of rutting, chuck holes or insufficient coverage shall be treated as required by the Timber Sale Officer.

If the PURCHASER selects to use an alternate haul route and the Timber Sale Officer agrees that the route can be used with less miles of road receiving dust treatment substance, road rock shall be purchased to offset the value of surplus dust treatment substance. For each 0.1 mile of untreated road less than 4.0 miles the PURCHASER shall purchase and deliver to a location specified by the Timber Sale Officer 5 cubic yards of crushed road rock.

- J. Maintenance work shall also be done within 15 days of the end of hauling operations on each road [each season], and immediately on completion of hauling on any road after October 15. Maintenance shall include outslowing or installation or improvement of waterbars, rolling dips, or other road surface drainage facilities as specified by the Sale Officer; final watering and grading to remove ruts and other irregularities that would prevent adequate drainage of the road surface; removal or breaching of berms; and a final clearing of drainage ditches and culvert inlets and outlets as necessary to insure proper functioning of the road drainage system.

**EXHIBIT A
(Scope of Work)**

- K. Where more than one timber sale must use the same road at the same time, the PURCHASER of the sale with the largest estimated timber volume to be removed over that road during the current operating season, as determined by the STATE prior to the start of timber operations, shall have the primary responsibility for routine maintenance (watering and grading) of those roads being used simultaneously, and shall also be responsible for any additional unanticipated work needed to maintain a firm, stable road surface or to provide proper road drainage. The last user of each road each year shall be responsible for the final road maintenance required at the end of the operating season, as described in the paragraph above. Joint road users are encouraged to share routine road maintenance burdens equitably on a basis proportional to actual use. When only one party is using a road then that party is solely responsible for all road maintenance requirements.
- L. The PURCHASER shall construct and maintain approximately 3.2 miles of new seasonal truck road as indicated on the attached map (Exhibit A, Attachment 2) to conform to provisions in the Timber Harvesting Plan and to road specifications set forth in paragraphs 17.a through 17.f of this Agreement.
- M. At five (5) locations as shown on the attached map (Exhibit A, Attachment 2), the new road shall be constructed by an excavator and built as full bench with spoils end-hauled, as described in the Timber Harvesting Plan. End-hauled spoils shall be graded to blend with the topography, compacted by dozer or compactor in lifts, and mulched to a depth of two inches with straw provided by the PURCHASER.
- N. The PURCHASER shall comply with an encroachment permit from the Mendocino County Department of Public Works. The scope of the required work is shown in Exhibit A, Attachment 2.
- O. The PURCHASER shall provide any culvert or other material needed during the course of the operation for temporary truck road or skid trail watercourse crossings. Such crossings shall be removed and the culvert or other material disposed of by the PURCHASER at completion of operations.
- P. The PURCHASER shall comply with a Department of Fish and Game Stream Alteration Permit obtained by the STATE, and shall supply materials, for project.
- Q. The PURCHASER shall provide, haul, place and compact 1,200 cubic yards of crushed rock for road stabilization at locations specified by the Timber Sale Officer.
- R. The STATE may, from time to time, schedule organized public events which require weekend or holiday use of roads used by the PURCHASER within or appurtenant to the sale area. With a minimum of two weeks' notice from the STATE, the PURCHASER shall make specified roads available for such use by removing down timber and slash from the road surface, positioning equipment off of the road, and otherwise making the road passable for the designated use.

18. HEALTH AND SAFETY LAW, TEMPORARY STRUCTURES.

No permanent structures shall be allowed on State Forest land. Temporary structures shall be kept to a minimum necessary for the logging operation and shall be maintained at PURCHASER'S expense. They shall be located, built to standards, and operated as may be required by the Timber Sale Officer to prevent the pollution of the water in any watercourse. Outhouses and toilets shall be constructed and maintained so as to prevent, so far as possible, the breeding of flies or the development of unsanitary conditions. The PURCHASER shall abide by all Health and Safety Laws of the State. All structures shall be removed when cutting is completed or the sale terminated, and the grounds cleaned up to the satisfaction of the Sale Officer.

**EXHIBIT A
(Scope of Work)****19. FOREST FIRE SUPPRESSION.**

During the time that this Agreement remains in force, the PURCHASER shall independently of STATE effort do all that can be done to prevent and suppress forest fires on the sale area and shall require all employees, agents, contractors, subcontractors, and employees of contractors and subcontractors to do likewise.

Unless prevented by uncontrollable circumstances, the PURCHASER shall place all employees, agents, contractors, subcontractors, and employees of contractors and subcontractors, and their equipment at the disposal of any authorized representative of the Director of Forestry and Fire Protection for the purpose of fighting forest fires on or adjacent to the State Forest, with the understanding that where fire fighting services are not rendered on the sale area of the PURCHASER, payment to the PURCHASER, and to employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER by the STATE for such services shall be made at standard rates established by the Director of Forestry and Fire Protection where such services are specifically ordered or requested by the Department of Forestry and Fire Protection Officer in charge of the fire; provided further, however, that no payment shall be made by the STATE to the PURCHASER if said fire occurred or spread as the result of violation of law, Forest Practice Rules, or actionable negligence attributable to the PURCHASER, or to employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER.

In cases where fires occur upon the sale area or spread across the sale area from an adjacent area, the PURCHASER will bear all expenses incurred in action taken upon the fire prior to the arrival of the Department Officer in charge of the fire. Upon arrival of the Department Officer in charge of the fire the PURCHASER, and employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER, may be reimbursed by the STATE for fire fighting services rendered by them in response to specific orders and requests made by the Department Officer in charge of the fire at the rates provided for in the second paragraph of this section; provided further, however, that when the fire has been surrounded by control lines, the PURCHASER will assume all costs of patrol until the fire is declared to be out by the State Forest Officer in charge of the fire protection in the area and provided further, that in the event said fire has occurred or spread as a result of violation of law, Forest Practice Rules, or actionable negligence of the PURCHASER, or employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER, then the PURCHASER shall not be reimbursed in any amount by the STATE for services rendered by PURCHASER, or by employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER, in control of the fire.

When the STATE becomes legally obligated by contract expressed, implied or otherwise, to make payment for any fire fighting services under the second and third paragraphs of this section and the said fire occurred or spread as the result of violation of law, Forest Practice Rules, or negligence attributable to the PURCHASER, or to employees, agents, contractors, subcontractors, or employees of contractors and subcontractors of the PURCHASER, said PURCHASER shall reimburse the STATE for that payment.

The provisions of this section shall not be construed as relieving the PURCHASER of fire suppression costs for which the PURCHASER is otherwise liable under State law.

20. WATER WAGON.

In addition to the required complement of fire tools, during the period specified by law, the PURCHASER shall have readily available to the sale area for fire suppression purposes a "water wagon" or similar self-propelled vehicle of at least 1,000 gallons capacity which shall be maintained in good operating condition. This unit shall be kept filled to capacity except when in actual physical use on the logging operation and equipped with at least 150 feet of serviceable 1½ inch fire hose with National Standard thread fittings and a serviceable nozzle for said hose; and further, said unit shall be equipped to draft water from a stream or pond as well as to pump water from the tank mounted on the vehicle.

**EXHIBIT A
(Scope of Work)**

21. TIMBER, STATE PROPERTY UNTIL PAID IN FULL.

All timber included in this Agreement shall remain the property of the STATE until paid for in full by the PURCHASER in the manner hereinbefore set forth, provided that the risk of loss thereof, by fire or otherwise, after operations have begun with reference to the particular logging area, shall be on the PURCHASER.

**EXHIBIT A, Attachment 1
(Additional Specifications)****Additional Specifications****1. CULVERT:**

| <u>ITEM</u> | <u>MATERIAL</u> | <u>GAUGE</u> alum/galv | <u>DIAM.</u> | <u>PIECE</u> <u>LENGTH</u> | <u>PIECES</u> | <u>TOTAL</u> <u>LENGTH</u> |
|-------------|-----------------|---------------------------|--------------|-------------------------------|---------------|-------------------------------|
| Pipe | poly | - | 18" | 20' | 27 | 540' |
| Coupler | per pipe | - | 18" | - | 14 | - |
| Pipe | poly | - | 30" | 20' | 3 | 60' |
| Coupler | per pipe | -- | 30" | -- | 2 | -- |
| Pipe | poly | -- | 36" | 20' | 3 | 60' |
| Coupler | per pipe | -- | 36" | - | 2 | -- |
| Pipe | poly | -- | 42" | 20' | 2 | 40' |
| Coupler | per pipe | -- | 42" | - | 1 | -- |

* Polyethylene culvert material shall be high density polyethylene plastic. Pipe shall have annular corrugations and an interior liner. The PURCHASER must submit product description and specifications to the Timber Sale Officer for approval before delivery or installation.

2. OTHER MATERIALS TO COMPLETE THE WORK LISTED:

| <u>ITEM</u> | <u>QUANTITY</u> |
|------------------------------|-----------------|
| Fence posts, steel, six-foot | 16 ea. |
| Crushed rock, 1½"-minus | 1200 yd³ |
| Cobble, 6-12" | 50 tons |
| Riprap | 200 tons |
| Straw | 20 bales |
| Lignin or equivalent | Per Item 18.l. |

A sufficient quantity of bolts, nuts, washers, and 12 gauge wire to install coupling bands and attach downspout stakes to the satisfaction of the Timber Sale Officer.

3. Additional materials may be needed to comply with other sections of the Timber Sale Agreement.

Acquisition of rock by the PURCHASER for this or any other section of this Agreement shall be consistent with Section 10295.5(a) of the Public Contract Code. If requested by the STATE, the PURCHASER shall provide documentation of such compliance.

**EXHIBIT A, Attachment 1
(Additional Specifications)****Map Points, as shown on Exhibit A, Attachment 2, Timber Sale Agreement Map**

| <u>Map Point</u> | <u>Road Number</u> | <u>Work to be Done</u> |
|------------------|--------------------|--|
| 1 | 730 | Remove ditch relief culvert and install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 2 | 730 | Remove ditch relief culvert and install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 3 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 4 | 730 | Excavate failing culvert and install new 18" culvert. Rock armor the inlet and outlet of the culvert and install energy dissipater (rock or woody debris) in the channel. Rock the disturbed portion of the road to a compacted depth of 6 inches and install critical dip (see Work Order Description Measure). |
| 5 | 730 | Install rock fork (see Work Order Description Measures) |
| 6 | 730 | Remove ditch relief culvert and install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 7 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 8 | 730 | Install energy dissipater at outlet of ditch relief culvert (rock or large woody debris). |
| 9 | 730 | Remove ditch relief culvert and install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 10 | 730 | Install energy dissipater at outlet of ditch relief culvert (rock or large woody debris). |
| 11 | 730 | Excavate failed culvert and replace with new 30" culvert with critical dip. Rock armor the inlet and outlet of the culvert and install energy dissipater (rock or woody debris) in the channel. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure and the Standard Permanent Culvert Installation figure). |
| 12 | 730 | Excavated failing culvert and install rock ford (see Work Order Description Measures). |

**EXHIBIT A, Attachment 1
(Additional Specifications)**

| | | |
|----|----------|--|
| 13 | 730 | Realign channel across road and install new 36" culvert with critical dip. Rock armor the inlet and outlet of the culvert and install energy dissipater (rock or woody debris) in the channel. Rock armor the inside ditch upslope of the crossing to the nearest hydrologic break as flagged in the field with pink/black stripped flagging. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure and the Standard Permanent Culvert Installation figure). |
| 14 | 730 | Excavated failing culvert and install rock ford (see Work Order Description Measures). |
| 15 | 730 | Using an excavator construct a keyway below the roadbed and rebuild the outside edge of the road with clean riprap 8 to 12 inches in diameter. Cap the fill and the disturbed portions of the road surface with crushed rock to a compacted depth of 6 inches. Place a rolling dip above the this road feature at the flagged location. |
| 16 | 730 | Excavate failing culvert and replace with new 42" culvert with critical dip. Rock armor the inlet and outlet of the culvert and install energy dissipater (rock or large woody debris) in the channel. On the inlet side of the culvert, rock armor the inside ditch from culvert inlet up to where the upper streams drains into the inside ditch (see Work Order Description Measure and the Standard Permanent Culvert Installation figure). |
| 17 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 18 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 19 | new spur | Construct full-benched road for approximately 300 feet. |
| 20 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 21 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 22 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 23 | new spur | Construct full-benched road for approximately 300 feet. |
| 24 | new spur | Construct full-benched road for approximately 100 feet. |
| 25 | new spur | Construct full-benched road for approximately 200 feet. |
| 26 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 27 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 28 | new spur | Install temporary crossing (see Work Order Description Measures) |
| 29 | new spur | Construct full-benched road for approximately 400 feet. |
| 30 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |

**EXHIBIT A, Attachment 1
(Additional Specifications)**

| | | |
|----|-----|---|
| 31 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 32 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 33 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 34 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |
| 35 | 730 | Install new 18" ditch relief culvert. Rock the disturbed portion of the road to a compacted depth of 6 inches (see Work Order Description Measure). |

**EXHIBIT A, Attachment 1
(Additional Specifications)****WORK ORDER DESCRIPTION MEASURES****Permanent culvert crossing and ditch relief culverts**

- Culvert shall be placed at stream gradient, or have downspouts, or have energy dissipaters at outfall.
- If downspouts are used they shall be secured to the culvert outlet and shall be secure on fill slopes. If half round downspouts are used they shall be a size larger than the culvert.
- Culverts shall be long enough so that roadfill does not extend or slough past the culvert ends.
- Inlet of culverts and associated fill shall be protected with appropriate measures that extend at least as high as the top of the culvert.
- Outlet of culvert shall be riprapped if roadfill sloughing into channel can occur.
- Where debris loads could endanger the crossing a trash/debris catchment structure shall be constructed upstream of the culvert inlet.
- Bank and channel armoring may be utilized, where appropriate, to provide channel and bank stabilization.
- If operations require moving equipment across a flowing stream, such operations shall be conducted without causing a prolonged visible increase in stream turbidity. For repeated crossings, the operator shall install a bridge, culvert, or rock-lined crossing.
- During construction in flowing water, which can transport sediment downstream, the flow shall be diverted around the work area by pipe, pumping, temporary diversion channel or other suitable means. When any dam or artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream to maintain fish life below the dam. Equipment may be operated in the channel of flowing live streams only as necessary to construct the described construction.
- Disturbance or removal of vegetation shall not exceed the minimum necessary to complete operations. The disturbed portion of any stream channel shall be restored to as near their original condition as possible. Restoration shall include the mulching of stripped or exposed dirt areas at crossing sites prior to the end of the work period.
- Structures and associated materials not designed to withstand high seasonal flow shall be removed to areas above the high water mark before such flows occur.
- No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washing, oil or petroleum products, or other organic or earthen material from any logging, construction, or associated activity of whatever nature shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into waters of the State. When operations are completed, any excess materials or debris shall be removed from the work area. No rubbish shall be deposited within 150 feet of the high water mark of any stream.

Fords

- In channel constructed fords shall be of appropriate material that shall withstand erosion by expected velocities and placed in a U-shaped channel to create a drivable crossing.
- If repeated use of the ford by heavy equipment traffic would result in significant downstream transport of sediment, a temporary crossing shall be installed.
- Approaches to ford shall be sufficiently treated with rock to prevent tracking of soil into the ford crossing.
- Bank and channel armoring may occur when appropriate to provide channel and bank stabilization.
- If operations require moving of equipment across a flowing stream, such operations shall be conducted without causing a prolonged visible increase in stream turbidity. For repeated crossings, the operator shall install a bridge, culvert, or rock-lined crossing.
- During construction in flowing water, which can transport sediment downstream, the flow shall be diverted around the work area by pipe, pumping, temporary diversion channel or other suitable means. When any dam or artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream to maintain fish life below the dam. Equipment may be operated in the channel of flowing live streams only as necessary to construct the described construction.
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**EXHIBIT A, Attachment 1
(Additional Specifications)**

water mark of any stream.

Temporary Crossing

- For crossings that require the placement of fill a "Spittler" type crossing shall be considered. If water is present at time of installation an adequate sized pipe shall be installed to handle the flow (min. 6 inch diameter pipe).
- If a "Spittler" type crossing is installed the operator shall place at least a 6 inch straw barrier between the "Spittler" log bundles and the fill. If straw bales are used instead of log bundles then a straw barrier shall also be placed between the bales and the fill. If fill only is to be installed in the channels, a straw barrier greater than 6 inches in depth shall be placed in the channel below any fill.
- When fills are removed they shall be excavated to form a channel that is as close as feasible to natural watercourse grade and orientation, and that is wider than the natural channel.
- Excavated banks shall be laid back to a 2:1 (50%) or natural slope.
- Temporary crossings shall be removed by October 15.
- Bank and channel armoring may occur when appropriate to provide channel and bank stabilization.
- If operations require moving of equipment across a flowing stream, such operations shall be conducted without causing a prolonged visible increase in stream turbidity. For repeated crossings, the operator shall install a bridge, culvert, or rock-lined crossing.
- During construction in flowing water, which can transport sediment downstream, the flow shall be diverted around the work area by pipe, pumping, temporary diversion channel or other suitable means. When any dam or artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream to maintain fish life below the dam. Equipment may be operated in the channel of flowing live streams only as necessary to construct the described construction.
- Disturbance or removal of vegetation shall not exceed the minimum necessary to complete operations. The disturbed portion of any stream channel shall be restored to as near their original condition as possible. Restoration shall include the mulching of stripped or exposed dirt areas at crossing sites prior to the end of the work period.
- Structures and associated materials not designed to withstand high seasonal flow shall be removed to areas above the high water mark before such flows occur.
- No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washing, oil or petroleum products, or other organic or earthen material from any logging, construction, or associated activity of whatever nature shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into waters of the State. When operations are completed, any excess materials or debris shall be removed from the work area. No rubbish shall be deposited within 150 feet of the high water mark of any stream.

Geology Recommendations

Point G2 (Map Point 13) – A new culvert sized to accommodate 100 year flows shall be placed at the Class III watercourse crossing so that the watercourse is directed into its original channel. The culvert shall be long enough to extend beyond the toe of the road fill slope. An energy dissipater such as a rock or log apron shall be placed at the outlet of the culvert.

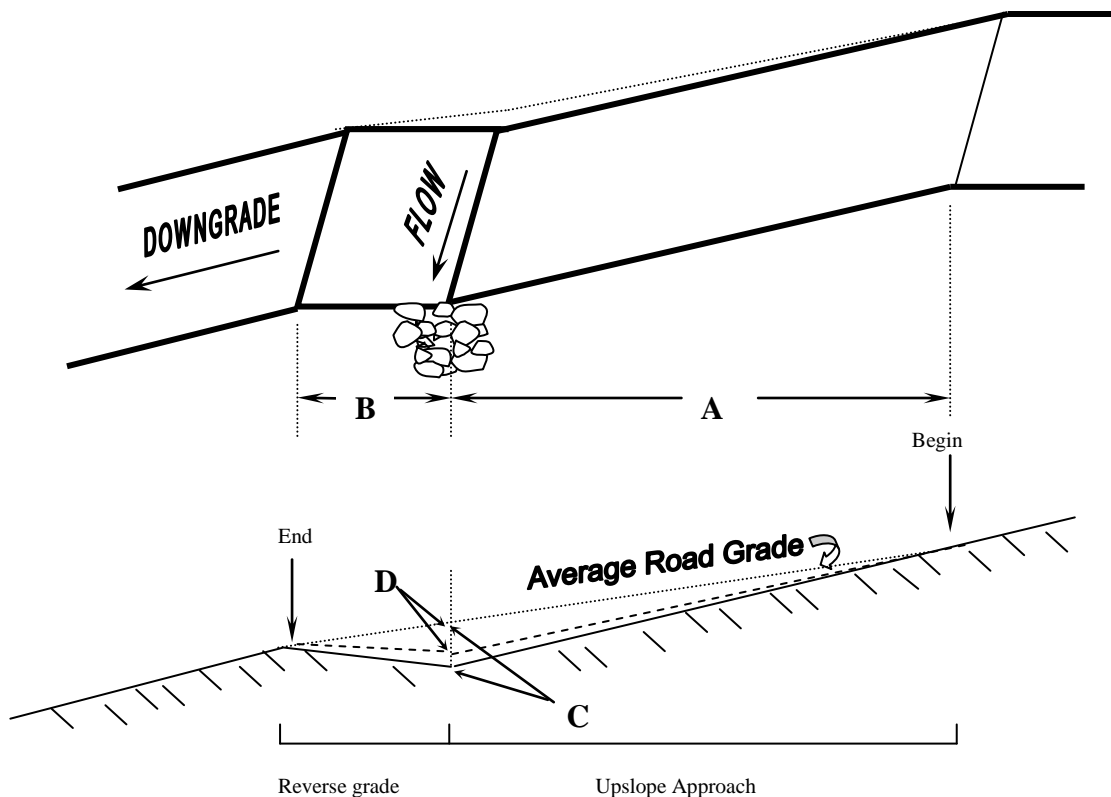
Point G3 (Map Point 11) – Additional road width can be obtained by filling in the inside ditch for a minimum 14-foot road. The road shall be left crowned along this segment and a broad rolling dip placed above a new culvert sized to accommodate the 100 year flow and placed along the Class III stream channel.

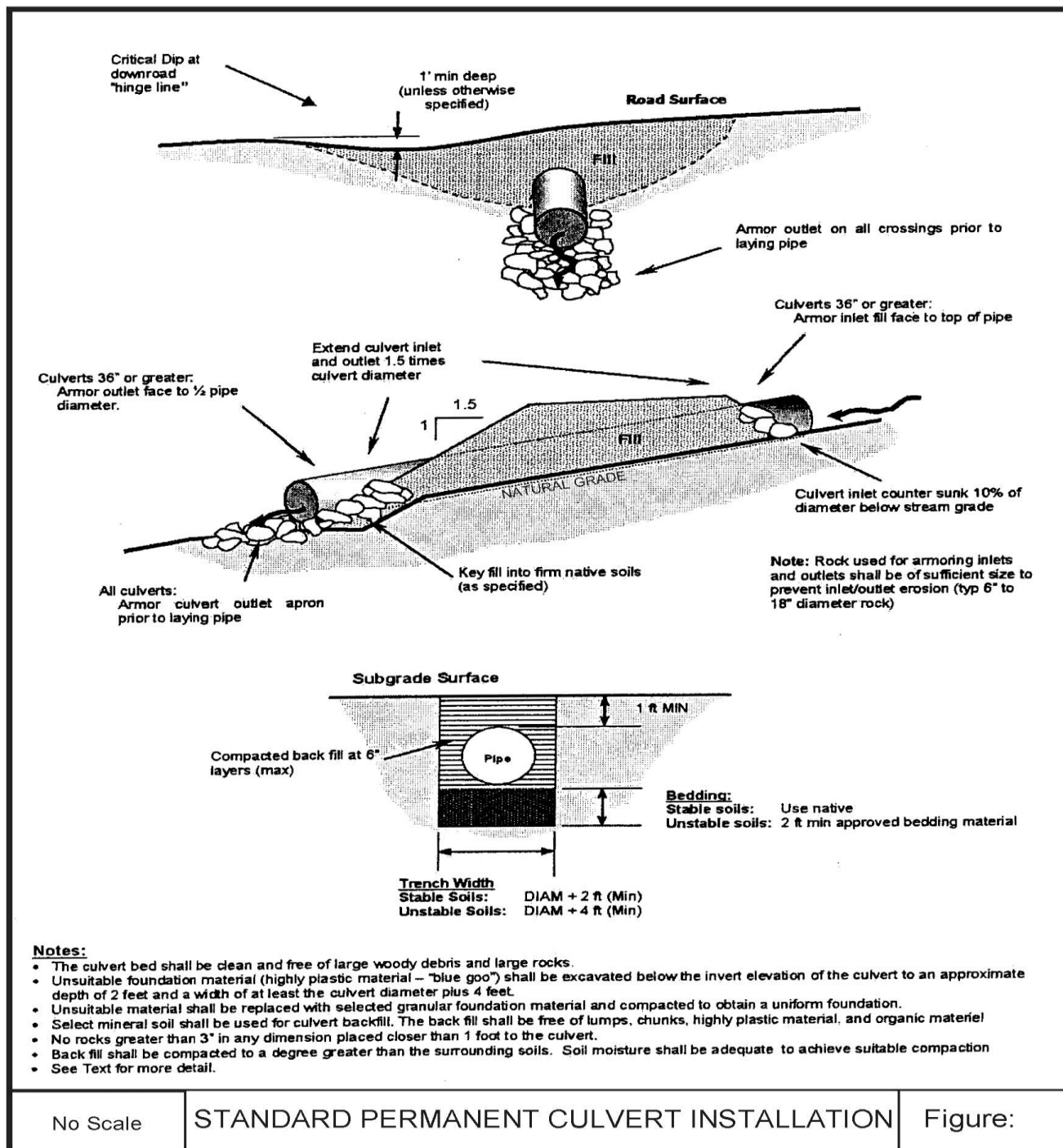
**EXHIBIT A, Attachment 1
(Additional Specifications)****ROLLING DIP**

A rolling dip is a smooth shallow ditch or depression that is at least 6" in depth and should be constructed at an angle of 45 to 60 degrees from the centerline of the road (can be nearly perpendicular). The cross grade should be at least 1 percent greater than the grade of the road. Rock riprap or down-drain flumes may be needed to prevent erosion on outsloped roads (see diagrams below).

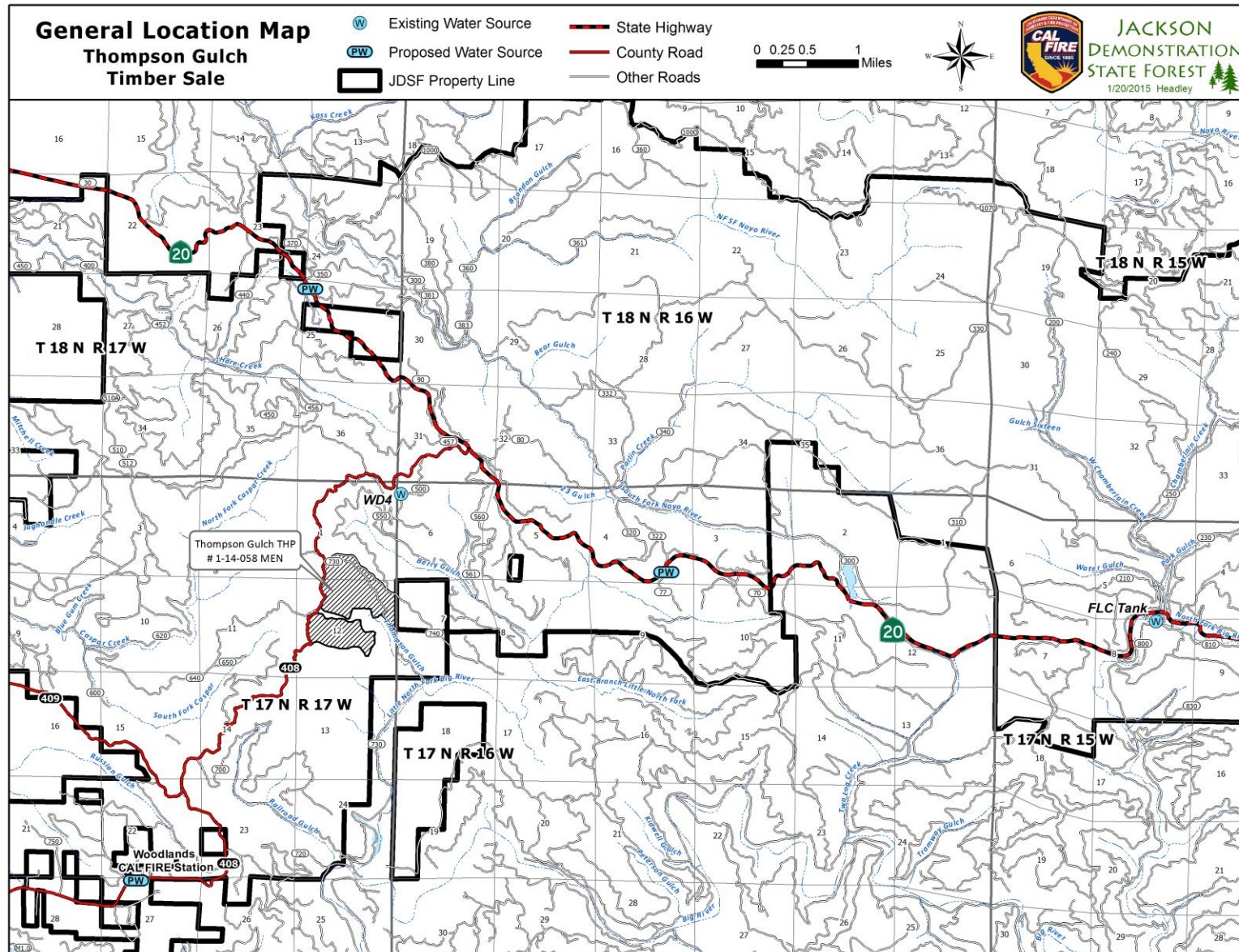
Dips should be constructed deep enough into the road subgrade so that traffic and subsequent road grading will not obliterate them. Their length and depth should provide the needed drainage, but not be a driving hazard.

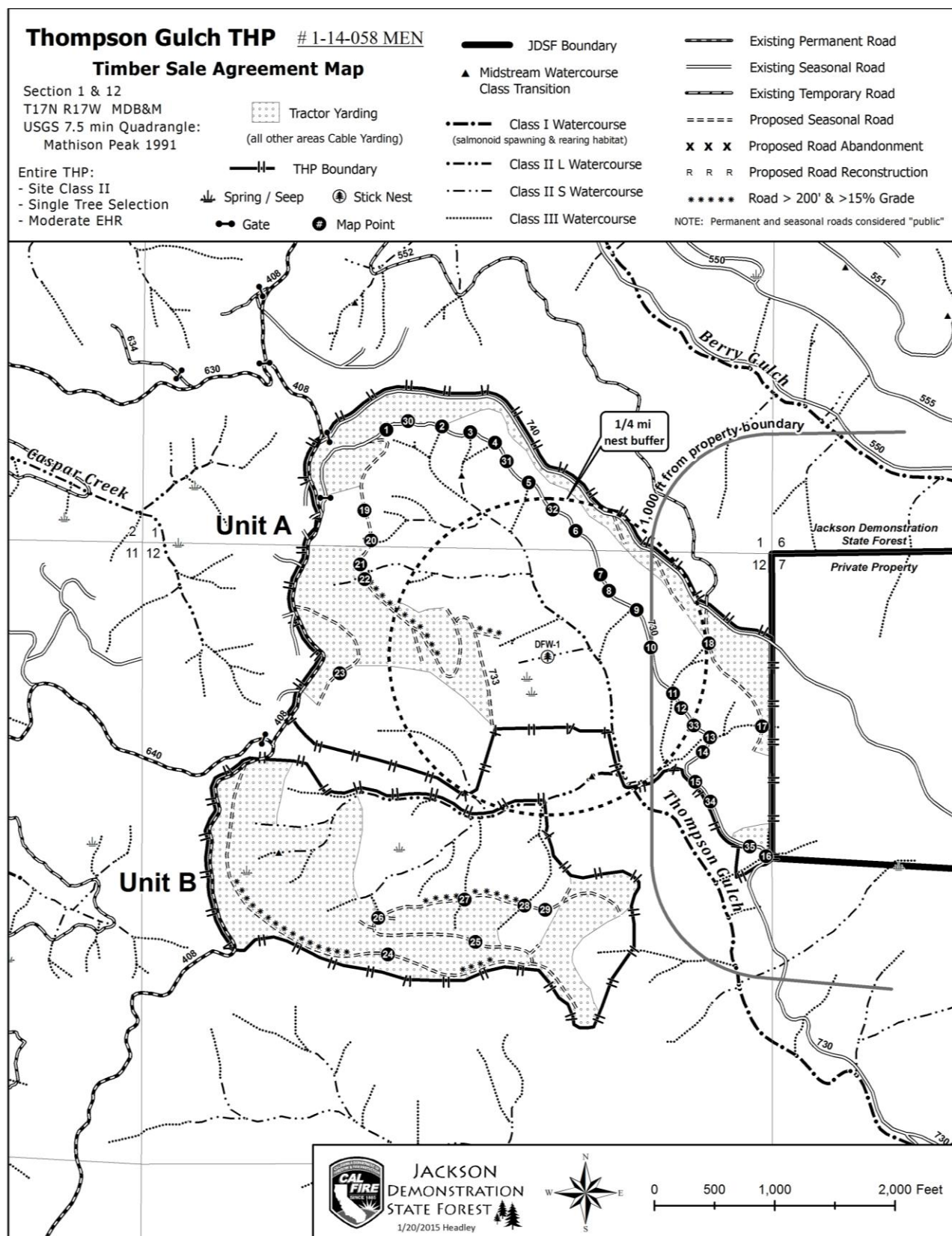
| ROLLING DIP DIMENSIONS | | | | |
|-------------------------------|---|---|---|---|
| Road Grade (%) | Upslope approach (distance from up-road start of rolling dip to trough in feet) | Reverse Grade (distance from trough to crest in feet) | Depth below average road grade at discharge end of trough (ft) | Depth below average road grade at upslope end of trough (ft) |
| | A | B | C | D |
| < 6 | 55 | 15-20 | 0.9 | 0.3 |
| 8 | 65 | 15-20 | 1.0 | 0.2 |
| 10 | 75 | 15-20 | 1.1 | 0.1 |
| 12 | 85 | 20-25 | 1.2 | 0.1 |
| >12 | 100 | 20-25 | 1.3 | 0.1 |



**EXHIBIT A, Attachment 1
(Additional Specifications)**

**EXHIBIT A, Attachment 2
(Map and Site Plans)**



**EXHIBIT A, Attachment 2
(Map and Site Plans)**

**EXHIBIT A, Attachment 2
(Map and Site Plans)**



COUNTY OF MENDOCINO

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

Permit No. **TU_2014-0001**
Permit Fee: \$500
Surety: \$0

In compliance with your request received 1/2/2014 and subject to the terms, conditions, and restrictions stated below or contained in the General Provisions, Exhibit "A", Exhibit "B", Approved Water Pollution Control Plan, and the Traffic Control Plan attached to and made a part of this permit: **NOTICE:** It may not be in the owner's interest to pay for work done until owner has a copy of the final inspection letter in possession indicating work has been accepted as complete.

PERMISSION IS HEREBY GRANTED TO THE FOLLOWING APPLICANT:

707-964-5674

JACKSON DEMONSTRATION STATE FOREST
802 NORTH MAIN ST
FORT BRAGG, CA 95437

**TO CONSTRUCT THE FOLLOWING IMPROVEMENT OR OTHERWISE ENCROACH UPON A
COUNTY PUBLIC ROAD RESERVATION:**

This permit is to serve *LITTLE LAKE RD (CR 408) APN 118-540-03 and 118-540-06*. Permittee is authorized to *construct and maintain ten(10) commercial road approaches* according to the stipulations attached to and made a part of the permit, or as modified by FIELD REVIEW or changing conditions. Permittee is hereby authorized and responsible to "maintain" the road approach, however any future improvements will require a new permit. By beginning work both the permittee and contractor accept this permit as a binding contract with Mendocino County and agree to complete the work according to the specifications and any modifications necessitated by changing conditions. Approved permit must be on site and available for inspection at all times. **NOTICE: Obtaining final inspection is a requirement of this permit.**

FIELD REVIEW:

Intermediate inspection required: YES – Backfill and Compaction.

1. All approaches onto County road shall be constructed with a minimum depth of eight (8) inches of Class II aggregate base and extended 20 feet from the edge of the County road.
2. The County road shall be treated for dust abatement when necessary. The use of a water truck is allowable.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

3. On encroachments numbers 1, 5, and 7 (Map attached), approaches shall be built up by pushing out berm to be level with County road then surfaced with minimum depth of eight (8) inches of Class II aggregate base.

4. Encroachment No. 8, permittee shall rock both sides of the "loop" where the logging truck staging area will be.

5. Encroachment No. 2, permittee shall stabilize soil from ditch cleanout material with 1½ inch maximum diameter base rock or straw mulch.

6. Encroachment No.3, if the traveled way needs to go southerly, permittee is allowed to excavate "mound" in order to construct the approach to County standards and surface with a minimum depth of eight (8) inches of Class II aggregate base.

7. After completion of operation, permittee shall reinstall all County drainage ditches back to original form and grade to flow away from the County road.

8. During the project operation, signs shall be in place at both ends of the project stating "Logging Activities Ahead" to alert the traveling public of project operations.

9. A pilot car shall be used when "walking" in a yarder on the County road to alert the traveling public of logging equipment on the traveled way. The public shall be guided to a safe turn-out until yarder passes.

10. Permittee shall immediately notify the Department of Transportation of any damage that occurs to the County road during the project; The Permittee shall give the Department of Transportation a report of the corrective action(s) proposed for approval by Mendocino County Department of Transportation prior to implementation on the County Road.

11. Permittee shall be responsible to repair any damage to the County road that occurs during the project.

12. Permittee is allowed to use three (3) inch minus rock capped with ¾ inch minus rock on the turn-outs/landings that are off of the County road.

13. At the end of the project Permittee shall install gates or block off access to the seasonal roads to prevent vehicular access and damage to County drainage structures.

14. Permittee shall replace any milepost signs that were removed during construction at the end of the project.

Carl Mechling, County Road Foreman, (Telephone 964-2596) shall be given notice at least 48 hours prior to any work being done under this permit.

STIPULATIONS: *Field Review modifications supersede standard stipulations.*

All work shall be done in accordance with the provisions on Standard Drawing No. A51B, A51C, A51D, A52, A53, and Exhibit "A", Exhibit "B", approved Water Pollution Control Plan, and Traffic Control Plan attached hereto. A minimum in depth of 8 inches

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

of Class II aggregate base shall be placed on the approaches and extended 20 feet from the edge of the County road.

Applicant's attention is specifically directed to the attached drawings, regarding surfacing and grading requirements.

Care shall be exercised to maintain a continuous and uninterrupted flow of roadside drainage and avoid directing driveway drainage onto or toward the traveled way of the County Road.

All traffic control shall conform to the FHWA's "Manual on Uniform Traffic Control Devices (MUTCD) 2003 edition and MUTCD California Supplement." Copies of MUTCD, MUTCD California Supplement are available on line at: <http://mutcd.fhwa.dot.gov> and <http://www.dot.ca.gov/traffops/signtech/mutcdsupp> respectively.

All persons engaged in traffic control shall be ATSSA certified flaggers.

PERMITTEE/LANDOWNER shall **CONSTRUCT AND MAINTAIN** proper sight distance as indicated on the Driveway Approach Site Distance drawing, A53, attached to and made a part of this permit.

This permit does not relieve PERMITTEE from the responsibility of obtaining all applicable permits and/or licenses as may, in connection with the work or activity herein authorized, be required from other public agencies and/or commissions. Failure by PERMITTEE to secure all necessary and applicable permits and/or licenses shall nullify this permit.

The amount of surety as authorized by Section 1467 of the California Streets and Highways Code shall be \$0.

NOTICE: The Government Code of the State of California required that except in an emergency, every person planning to conduct any excavation shall contact the appropriate regional notification center, at least two (2) working days, but not more than fourteen (14) calendar days, prior to commencing that excavation, if the excavation will be conducted in an area which is known, or reasonably should be know, to contain subsurface installations. The appropriate regional notification center for Mendocino County is:

USA North 1-800-642-2444

PERMITTEE/PROPERTY OWNER does hereby recognize and accept any surface water directed upon land adjacent to the County Highway as a result of the permitted encroachment, and does hereby release and otherwise hold harmless the County of Mendocino, its officers and employees from any and all responsibility in connection with the possible diversion of surface water.

This permit is issued for only that portion of the planned construction that may lie within the county road right of way or reservation. PERMITTEE by exercising the rights granted herein accepts full responsibility to determine whether or not the planned construction is within the said right of way or reservation.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

All work shall be done in accordance with the General Provisions, Exhibit "A", Exhibit "B", Approved Water Control Plan, and Traffic Control Plan attached to and made a part of this permit and those specifications on the face hereof.

The grantor may at its discretion close the approach if mud or gravel is tracked on to the traveled way in quantities which grantor deems hazardous to traffic or damaging to the highway.

A copy of this permit shall be on site at all times during construction for inspection by law enforcement, County employees, or other authorities.

CAUTION: this permit authorizes no work, improvement, or encroachment other than that specifically described hereon.

NOTICE SHALL BE GIVEN TO THE DEPARTMENT OF TRANSPORTATION AT LEAST 48 HOURS PRIOR TO ANY WORK BEING DONE UNDER THIS PERMIT. CALL 964-2596 TO GIVE THIS NOTICE.

PLEASE NOTE WATER POLLUTION CONTROL PLAN TYPICALLY ASSUMES PROJECT WILL BE STARTED AND COMPLETED DURING THE DRY SEASON (APRIL 15 THRU OCTOBER 15). Permittee will be required to implement additional BMPs and be subject to increased inspection frequency for projects that are started and or completed during the rainy season.

Regardless of seasonal work period, Permittee shall notify the Department of Transportation at least 48 hours prior to the onset of any forecasted rain event.

Please call 964-2596 to report when the work is complete.

VALIDATION
HOWARD N. DASHIELL
Director of Transportation

By: 
Keri Ryneearson
Permits

THIS PERMIT SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID UNLESS THE WORK AUTHORIZED HEREIN SHALL HAVE BEEN COMPLETED BEFORE JANUARY 31, 2015.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Howard. N. Dashiell
DIRECTOR OF TRANSPORTATION

Ex Officio
Road Commissioner
County Engineer



FUNCTIONS

Administration & Business Services
Airports
County Surveyor
Engineering
Land Improvement
Roads and Bridges
Solid Waste

**COUNTY OF MENDOCINO
DEPARTMENT OF TRANSPORTATION**

**340 LAKE MENDOCINO DRIVE
UKIAH, CALIFORNIA 95482-9432
VOICE (707) 463-4363 FAX (707) 463-5474**

**ENCROACHMENT PERMIT
WATER POLLUTION CONTROL PLAN**

Section 16.30.150 of the Mendocino County Storm water Runoff Pollution Prevention Procedure (SRPPP) states the following.

16.30.150 IMPLEMENTATION.

The intent of this Ordinance is not to punish and fine citizens of Mendocino County, but to educate them of ways to prevent and reduce pollution from entering the County storm drainage system and waters of the U.S. As such, education shall be the primary means to implement the provisions of this Ordinance. Where violations are discovered, initial contact with property owners and/or business operator shall be to gain compliance through education and a corrective action plan. If compliance is not gained through initial education and a corrective action plan, if necessary, further enforcement actions shall be pursued in accordance with Chapter 8.75 "Uniform Nuisance and Abatement Procedure" of the Mendocino County Code.

Applicants may obtain additional information regarding Water Pollution Control Plan preparation and detailed descriptions of Best Management Practices (BMPs), at the Mendocino County Department of Transportation Office at 340 Lake Mendocino Drive, Ukiah, CA. 95482, or contact us at (707) 463-4363.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

**ENCROACHMENT PERMIT
GENERAL PROVISIONS**

1. A permit is issued under the provisions of Chapter 5.5 of Division 2 of the California Streets and Highways code and Chapter 15.20 of Volume 1, and Chapter 16.30 of Title 16 of the Mendocino County Code. Except as otherwise provided for public agencies and franchise holders, the permit is revocable with five (5) days notice.
2. It is understood and agreed by the applicant that doing any work under the permit shall constitute an acceptance of the provisions, terms, conditions, and/or restrictions thereof.
3. A permit is granted with the understanding that this action is not to be considered as establishing any precedent on the question of the expediency of permitting any certain kind of encroachment within the County highways rights of way.
4. Before starting any work authorized by the permit, the permittee shall notify the road foreman/inspector in whose area the work is to be done. Such notice shall be given at least 48 hours in advance of the time work is to start.
5. Prior to starting and during performance of any work authorized by the permit, the permittee shall implement, inspect, and maintain appropriate construction site Best Management Practices (BMPs) to the maximum extent practicable to prevent the discharge of sediment, construction waste, debris or contaminants from construction materials, tools and equipment from entering the storm drainage system and/or any receiving surface waters designated as waters of the U.S. Upon completion of work authorized by the permit, the permittee shall ensure that all disturbed soil areas have been sufficiently stabilized and that all temporary construction site BMPs that are no longer needed have been removed.
6. The permit shall be kept at the site of the work and must be shown to any representative of the grantor or any law enforcement officer upon demand.
7. **PUBLIC CONVENIENCE** – Applicant shall so conduct his or her operations as to offer the least possible obstruction and inconvenience to the public. Unless otherwise provided on the permit, all public traffic shall be permitted to pass through the work area with as little inconvenience and delay as possible. Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the permittee at his or her expense.
8. **PUBLIC SAFETY** – Should the applicant's operations create a condition hazardous to traffic, or to the public, he or she shall furnish, erect, and maintain, at his or her expense, such fences, barricades, lights, signs, and other devices as are necessary. Applicant shall furnish, at his or her expense, such qualified flaggers and guards as are necessary to prevent accidents, damage, or injury to the public. No material or equipment shall be stored where it may interfere with the free and safe passage of public traffic.
9. All work shall conform to recognized standards of construction and those specifications prescribed on the face of the permit. All work shall be done subject to supervision of and to the satisfaction of the grantor. Upon completion of the work, all brush, timber, scraps, and material shall be entirely removed and the right of way left in as presentable condition as before work started. For work which requires the presence of an employee of the grantor as inspector, the salary and other incidental expenses of such inspector during the work shall be paid by the permittee upon presentation of a bill therefore.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

10. It is understood by applicant that whenever construction, reconstruction, or maintenance work on the highway may require the relocation of the installation provided for herein, it shall, upon request of the grantor, be immediately moved by and at the expense of the permittee.
11. An encroachment permit does not relieve PERMITTEE from the responsibility of obtaining all applicable permits and/or licenses as may, in connection with the work or activity herein described, be required from other public agencies and/or commissions. Failure by applicant to secure all necessary and applicable permits and/or licenses shall nullify the permit.
12. **LIABILITY FOR DAMAGES** – applicant is responsible for all liability for personal injury or property damage which may arise out of work herein permitted or which may arise out of failure of permittee to perform his or her obligations under the permit with respect to maintenance. In the event any claim of such liability is made against the County of Mendocino, or any department, officer, or employee thereof, applicant shall defend, indemnify, and hold them harmless from such claim. A permit shall not be effective for any purpose unless and until the above named permittee files with the grantor a surety in the form and amount required by said grantor, unless specifically exempted on the face of said permit. The requirement that a surety be filed does not apply in the event the permittee is a government board, which derives its revenue by taxation.
13. **DUE CARE** – shall be exercised to avoid injury to existing highway improvements or facilities. County road surfacing shall be replaced equal to or better than the surfacing disturbed. The cost of all materials, labor, etc. necessary for installation of the encroachment shall be borne by the permittee. The cost of any labor and materials for repairs to the road by County forces, made necessary by the work done under the permit or lack thereof, shall be charged to the permittee at actual cost.
14. If the work herein contemplated shall interfere with the established drainage, ample provision shall be made by the permittee to provide for it as may be directed by the grantor.
15. Upon completion of underground or surface work of consequence, the permittee shall furnish to the Department of Transportation a plan showing the location and details of such work.
16. The permittee agrees, by the acceptance of the permit, to exercise reasonable care to maintain properly any encroachment placed by him or her in the highway and to exercise reasonable care in inspecting for and immediately repairing and making good any injury to any portion of the highway which occurs as a result of the maintenance or lack of maintenance of the encroachment in the highway or as a result of the work done under the permit, including any and all injury to the highway which would not have occurred had such work not been done or such encroachment not been placed therein.

**EXHIBIT A, Attachment 2
(Map and Site Plans)****EXHIBIT "A"**

1. Unless otherwise specified on the face of the permit, open trench method may be used. Where existing surfacing is to be disturbed, the pavement shall be saw cut at least six (6) inches, on each side, wider than the trench.
2. A minimum cover of 30 inches shall be maintained over all underground facilities (including service laterals) installed within the County highway (as defined in the California Streets and Highways Code). Said cover shall be measured from the ground surface at the facility or the adjacent road grade, whichever is deeper.
3. Where excavation is made within the limits of the County road traveled way, improved roadway shoulder, or driveway, the backfill material shall be structure backfill (as defined in Section 19-3.06 of the California State Standard Specifications) having a sand equivalent of not less than 20 and conform with the following gradation requirements:

| | |
|----------------------------|----------|
| Percent passing 3" sieve: | 100 |
| Percent passing #4 sieve: | 35 - 100 |
| Percent passing #30 sieve: | 20 - 100 |

The backfill material shall be compacted in uniform layers (not to exceed eight (8) inches) to 95% relative compaction (California Test Method No. 231).
4. Unless otherwise specified on the face of the permit, in paved areas the top portion of the trench shall be backfilled with eight (8) inches of Class 2 Aggregate Base (compacted to 95% minimum) and compacted asphalt concrete. Asphalt concrete thickness to match existing pavement (3" minimum) and shall be placed in lifts not exceeding three (3) inches in thickness. Prior to paving, vertical faces of existing pavement and/or structures shall be painted with coating of liquid emulsified asphalt for bonding and watertight joints. In unpaved traveled way, shoulder, or driveway areas, the top portion of the trench shall be backfilled with eight (8) inches of Class 2 Aggregate Base compacted to 95% minimum.
5. The asphalt concrete shall conform to the requirements of Type B, 1/2" Maximum, Medium, as stated in the State of California, Department of Transportation, Standard Specifications, latest edition. When conditions are such that Type B, 1/2" Maximum, Medium asphalt concrete is not readily available or its use is impractical, due to inclement weather conditions or other reasons, as approved by the Department of Transportation, a TEMPORARY patch using "Cold Mix" shall be used. Said temporary patch shall be removed and replaced with Type B, 1/2" maximum asphalt concrete at the earliest possible date.
6. The phrase "improved roadway shoulder" as used herein, is defined as being all that area adjacent to the roadway, which is currently being used or could be used for vehicle parking and/or pedestrian traffic. As a minimum, it shall be all that area within six (6) feet of the roadway.
7. In lieu of Structure Backfill, backfill material may, when approved by the Director of Transportation or his authorized representative, consist of a two (2) sack slurry cement conforming to provisions in Section 19-3.062, "Slurry Cement Backfill" of the California Department of Transportation Standard Specifications.
8. When Slurry Cement Backfill is used:
 - a. The 8" of Class 2 Aggregate Base may be eliminated and the Asphalt Concrete placed directly onto the Slurry Cement Backfill.
 - b. The Slurry Cement Backfill shall be struck off in a uniform manner prior to placing Asphalt Concrete or allowing traffic to drive on it.
 - c. If the time frame to allow traffic to drive on the Slurry Cement Backfill is less than four (4) hours, traffic rated steel plates must be placed over the backfilled trench to allow traffic to cross over the trench.
9. Whenever traffic plates are used, they shall be steel (not plywood). All exposed edges of the plates shall be covered with temporary paving (cold mix or cut back) to provide a smooth driving surface. Barricades with flashing lights shall be maintained on both sides of the road where traffic plates are used. Traffic plates shall not remain in place for more than three (3) days without prior authorization from the Department of Transportation.
10. Where excavation is made beyond the limits of the County Road surfacing, improved roadway shoulder, or driveway surfacing, the backfill material may consist of locally available material (Select Backfill) and shall be compacted to a relative compaction of 90% (California Test Method No. 231).
11. Compaction shall be achieved by mechanical means. Ponding or jetting shall not be attempted within the County Highway.
12. Care shall be exercised to avoid disturbing or damaging roadway drainage facilities. Any roadway drainage disturbed shall be restored or replaced in a manner satisfactory to the Director of Transportation or his authorized representative.
13. A minimum clearance of 24 inches shall be maintained between underground facilities and existing roadway drainage culverts.
14. The maximum trench that may be opened shall be limited to that which can be completely backfilled (compacted) and shaped to accommodate traffic or provide for drainage during the same working day.
15. Until repaving is completed, smooth, dust-free riding surfaces shall be maintained over all excavations. When ordered by the Director of Transportation or his authorized representative, a satisfactory temporary patch shall be applied pending completion of repaving.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

16. PERMITTEE shall provide compaction and/or other materials tests as directed by the Director of Transportation or his authorized representative, to verify compliance with the backfill requirements of this permit. Said tests shall be made under the direct supervision of a Registered Civil Engineer. As a minimum, one compaction test, consisting of at least three readings, shall be made for each 500 feet of backfilled trench. Tests shall be representative of all levels within the trench above the conduit zone. Copies of all test reports shall be furnished to the Department of Transportation in a timely manner.
17. SPECIAL CONDITIONS REGARDING CONSTRUCTION BETWEEN OCTOBER 15TH AND APRIL 15TH. Work may proceed between October 15th and April 15th only when weather and soil/ground conditions as determined by the Director of Transportation or his authorized representative, are such that construction can proceed without causing unacceptable damage to existing highway facilities or creating unsafe conditions or unacceptable inconvenience to the public.
 - a. The maximum trench that may be opened shall be limited to that which can be completely backfilled (compacted) and shaped to accommodate traffic or provide for drainage during the same working day.
 - b. No trench shall be excavated more than one hundred (100) feet in advance of conduit laying nor more than two hundred fifty (250) feet in advance of the backfilling operation. Completion of the trench backfill to include paving, shall not be more than five hundred (500) feet behind the excavation operation.
 - c. Unless otherwise approved by the Director of Transportation or his authorized representative, all excavation spoil shall be placed directly into trucks and disposed of outside of the public road reservation. All dust, mud, or debris shall be cleaned from roadway surfaces daily (no exceptions).
 - d. All drainage ditches and culverts shall be kept open and clear of mud and debris.
 - e. Within 24 hours of trench opening, temporary resurfacing shall be placed at all roadway and driveway crossings and at all locations where trench is in a traffic lane.
 - f. If PERMITTEE fails to comply with these provisions pertaining to work between October 15th and April 15th, the encroachment permit will be temporarily revoked and no additional work, other than maintenance, restoration, or remedial work, will be permitted during said time period.
18. Weather and ground conditions must be such that the construction can be accomplished to the requirements prescribed herein and the general provisions provided with the permit, without causing unacceptable damage to the existing highway facilities and without unsafe conditions or unacceptable inconvenience for the traveling public. PERMITTEE shall, at all times, maintain gutters and roadside drainage facilities where they exist to accept any flow from seasonal or unseasonable weather, allowing an uninterrupted flow.
19. If, in the opinion of the Director of Transportation or his authorized representative, PERMITTEE does not adequately maintain the temporary trench surfaces, County may elect to have the work done by others and recover the full costs thereof from PERMITTEE. If PERMITTEE fails to pay such costs within 10 days of being billed therefore, the permit may be revoked and no work other than the maintenance, restoration, or remedial work will be permitted until payment is received.
20. PERMITTEE'S attention is directed to the General Provisions included with the permit. All work shall be done in strict accordance with the General Provisions and the specifications prescribed therein and on the face of the permit.
21. Traffic shall be permitted to pass through the construction zone at all times with the minimum possible delay. Unless otherwise approved in writing by the Director of Transportation or his authorized representative, no traffic delay shall exceed five (5) minutes.
22. Where plans call for installation of underground facilities on both sides of the road, PERMITTEE shall only work on one side of the road at a time.
23. **PUBLIC SAFETY:** Whenever the PERMITTEE'S operations create a condition hazardous to traffic or the public, he shall furnish, erect, and maintain, at his expense, such fences, barricades, lights, signs, and other devices as are necessary. The PERMITTEE shall furnish, at his expense, such flag persons and guards as are necessary to prevent accidents or damage or injury to the public and shall conform to the requirements of any sign and traffic manuals (latest editions) issued by the California Department of Transportation. No material or equipment shall be stored where it will interfere with the free and safe passage of public traffic. PERMITTEE is authorized to place flag persons to stop and warn traffic for public safety. Traffic shall not however be unreasonably delayed (5 minutes maximum) except in emergencies or as may be specifically set forth on the face of the permit.
24. PERMITTEE'S ATTENTION IS DIRECTED TO CHAPTER 3.1 (COMMENCING WITH SECTION 4215) OF DIVISION 5 OF TITLE 1 OF THE GOVERNMENT CODE OF THE STATE OF CALIFORNIA, SECTION 4216.9(a) IN PARTICULAR, WHICH STATES IN PART: (a) No permit to excavate issued by any local agency, as defined in Section 4216, or any state agency, shall be valid unless the applicant has been provided an initial inquiry identification number by a regional notification center pursuant to Section 4216.2.
25. This permit is issued for only that portion of the planned work, which may lie within the County Highway or County Highway Right of Way. PERMITTEE, by exercising the rights granted herein, accepts full responsibility to determine whether or not the planned work is within said reservation or right of way.
26. County reserves the right to enter into the construction area to inspect the work in progress and to perform such tests as County deems necessary to satisfy that the work is being accomplished in full compliance with the requirements of this permit.
27. Unless otherwise specified on the face, the permit shall not become effective- and no work shall commence within the County Highway- until PERMITTEE file with the Mendocino County Department of Transportation, surety to secure satisfactory restoration of the County Highway and appurtenant facilities and satisfactory compliance with provisions of this permit. The surety shall be in the form of a Certified or Cashiers Check, Cash, or other form acceptable to the Director of Transportation and shall be in the amount set forth on the face of the permit.

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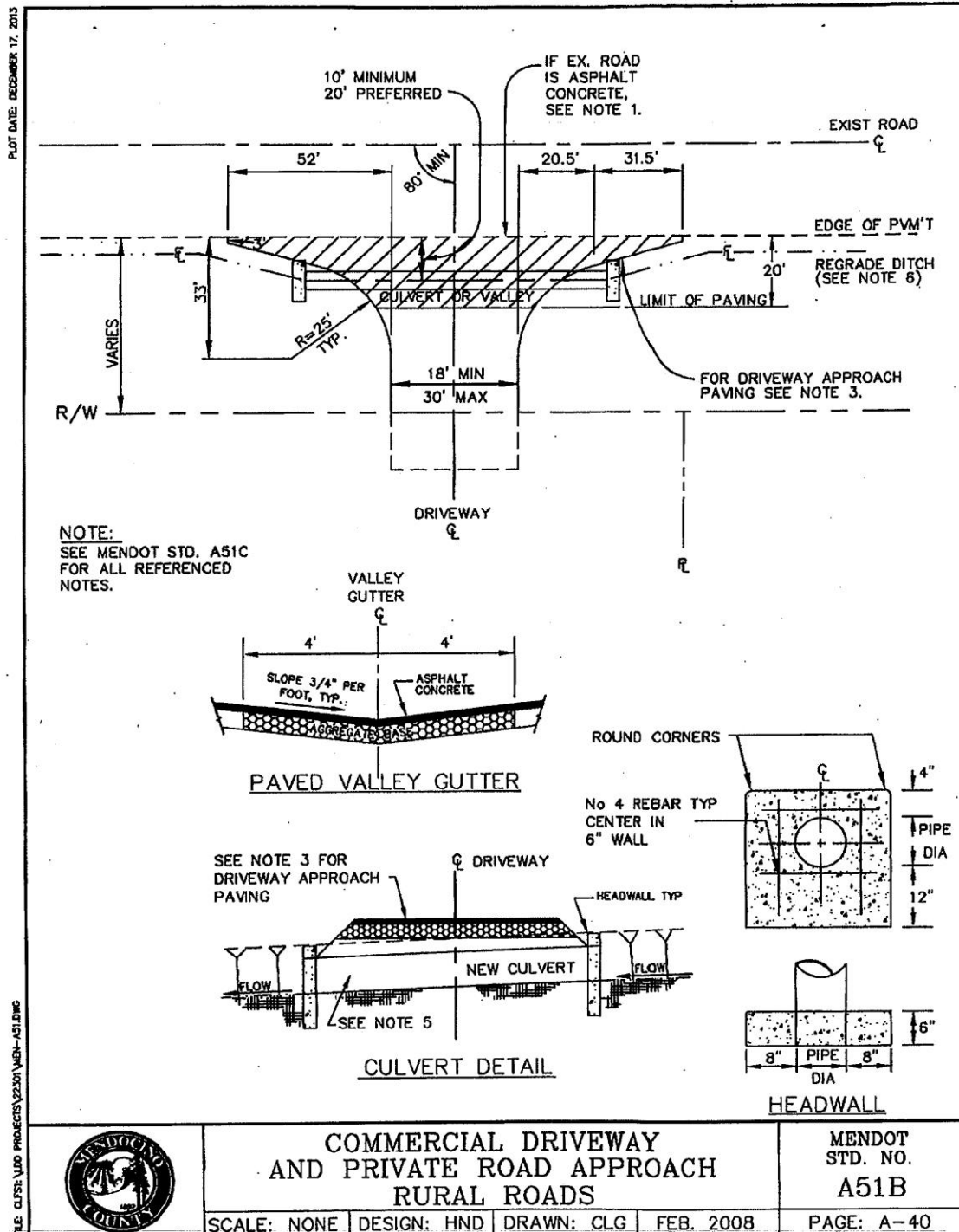
EXHIBIT "B"

1. **SPECIAL CONDITIONS REGARDING WORK DURING THE "WINTER SEASON".** "The Winter Season" is defined as being that period between October 15th and April 15th.
2. This Exhibit "B" may be used in conjunction with or in lieu of Exhibit "A" as well as any special notes or conditions listed on the face of any encroachment permit.
3. The Director of Transportation or his authorized representative shall have the authority to supersede this Exhibit "B" at any time.
4. Weather and ground conditions must be such that the construction can be accomplished to the requirements prescribed herein and the General Provisions provided with the permit, without causing unacceptable damage to the existing highway facilities and their appurtenances and without unsafe conditions or unacceptable inconvenience for the traveling public. PERMITTEE shall, at all times, maintain gutters and/or roadside drainage facilities where they exist, to accept any flow from seasonal or unseasonable weather, allowing an uninterrupted flow.
5. In all cases, both the existing ground conditions at the project site, and any and all backfill materials shall and will be in such proper condition, acceptable to the Department of Transportation, and satisfactory to perform the work required.
6. All work including cleanup shall be completed prior to 4 P.M. each workday. No exceptions. At the end of each workday, the area must be left in such condition as to not require maintenance or repairs by the permittee or any other maintenance forces until the Winter Season has ended I.E. prepared for winter suspension.
7. After a period of measurable rain, no work will take place without benefit of a minimum of a 7-day drying out period having taken place together with a 48-hour window of fair weather predicted by the National Weather Service. (A "drying out period" shall consist of at least some sunshine and/or wind to dry the ground, not merely a lack of rain.)
8. An Internet weather site will be determined by the Department of Transportation. Both the Department and the permittee shall monitor that site. Confirmation of the 48-hour weather window and the 7-day drying period, by the Mendocino County Department of Transportation will be necessary and required prior to resuming work after a weather shutdown. This confirmation will be required at the beginning of each week and after any future suspension of work, whether or not such suspension is weather related.
9. Site preparation: All work areas, including staging areas, and any shoulders and/or pullouts involved, or used by equipment will be sufficiently protected prior to any construction activities being started. PERMITTEE shall implement, inspect, and maintain appropriate construction site Best Management Practices (BMPs) to the maximum extent practicable to prevent the discharge of sediment, construction waste, debris or contaminants from construction materials, tools and equipment from entering the storm drainage system and/or any receiving surface waters designated as waters of the U.S.
10. No excavations shall begin without first having sufficient proper materials on-hand, on-site, for any and all backfill operations. All backfill materials shall be of proper moisture content to achieve proper compaction. No excavations shall be permitted to remain open after working hours have elapsed.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

11. All roads and shoulders used by permittee shall be cleaned and free of mud, debris, or other undesirable materials at the end of each work day, and shall remain clean and open to traffic throughout the workday. Since weather prediction is not a precise science, prior to leaving the work site each day, the entire work area shall be left in such a condition to survive the lengthy duration of a winter suspension.
12. Prior to the end of each workday, all excavations, regardless of size, shall be backfilled with Class II Aggregate Base and compacted to 95% relative compaction, or if authorized by the Department, backfilled with 2 sack cement slurry backfill per Section 19-3.062 of the State Standard Specifications.
13. If and when the Department has authorized 2 sack cement slurry for backfill purposes, any and all cement slurry used for backfill purposes must be in place prior to 12 Noon, in order that it will have the required 4 hour minimum setting time prior to allowing traffic to travel over it whether or not the site is in the traveled way.
14. Any violation or non-compliance with the provisions contained herein may result in a total winter suspension. In the event of a total winter suspension, all work will cease immediately until further notice with the exception of cleanup and/or repairs or required maintenance of the project area.
15. It is the responsibility of the permittee to at all times throughout the life of the project, to maintain the project area in a smooth, rut free, debris free, and safe condition for the traveling public. Road surfaces and any and all drainage facilities must be maintained in a clean and safe condition. At the minimum, permittee shall inspect the entire project area and all roads leading in and out of the area that have been used by the permittee or his suppliers, on a weekly basis. During times of severe storms, additional inspections may be required.
16. Permittee shall perform, at no cost to the County, all work necessary to maintain the project area to the above stated requirements. Such maintenance and/or repair work shall be performed in a timely manner to minimize the inconvenience to the traveling public.
17. Permittee shall be responsible for the maintenance and/or repairs of all pot holes or other pavement failures within the project area or upon the roads used by his equipment or that of his suppliers, whether the failures are either directly or indirectly, a result of the work permitted.

**EXHIBIT A, Attachment 2
(Map and Site Plans)**



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PLOT DATE: DECEMBER 17, 2013

NOTES:

1. NEATLY SAWCUT EXISTING EDGE OF PAVEMENT AND APPLY TACK COAT.
2. RESIDENTIAL DRIVEWAY APPROACH MATERIAL SHALL BE ASPHALT CONCRETE IF ROAD FRONTING DRIVEWAY IS PAVED. PAVING SHALL CONSIST OF 2" A.C. OVER 6" A.B. MINIMUM.
3. COMMERCIAL DRIVEWAY AND PRIVATE ROAD APPROACH MATERIAL SHALL BE ASPHALT CONCRETE IF ROAD FRONTING THE APPROACH IS PAVED. PAVING SHALL CONSIST OF 3" A.C. OVER 8" CL. 2 A.B. MINIMUM.
4. DRIVEWAY APPROACH SURFACING SHALL BE COMPARABLE TO THE SURFACING OF THE ADJACENT ROAD.
AGGREGATE BASE SHALL BE ONE FOOT WIDER THAN THE PAVED WIDTH ON EACH SIDE.
5. CULVERT SHALL BE 12" DIA. MIN. R.C.P. OR HDPE PLASTIC PIPE WITH SMOOTH INTERIOR WALL CONFORMING TO CALTRANS STANDARD SPECIFICATIONS. IN NO CASE SHALL PIPE BE SMALLER THAN UP-STREAM CULVERT. LENGTH OF THE CULVERT SHALL BE THAT REQUIRED TO EXTEND ONE FOOT BEYOND THE TOE OF THE DRIVEWAY FILL.
6. RE-GRADED DITCH ADJACENT TO PROPERTY LINE FOR ENTIRE FRONTAGE OF PROPERTY, IF REQUIRED.
7. CULVERT SHALL BE REQUIRED WHERE THERE IS A ROADSIDE DITCH, UNLESS FLOWLINE OF DITCH IS LESS THAN 3" BELOW EDGE OF PAVEMENT PROFILE. VALLEY GUTTER SHALL BE PROVIDED WHERE CULVERT IS NOT REQUIRED (SEE DETAIL ON STD. NO. A51A).
8. ALL DRIVEWAYS SHALL INTERSECT EXIST STREETS AT 80' MINIMUM, UNLESS OTHERWISE APPROVED BY THE DOT DIRECTOR.
9. SEE MENDOT STD NO. A52 FOR DRIVEWAY/ROAD CONNECTION PROFILE.
10. SEE MENDOT STD NO. A53 FOR SIGHT DISTANCE REQUIREMENTS.
11. AN ENCROACHMENT PERMIT SHALL BE OBTAINED PRIOR TO CONSTRUCTING A DRIVEWAY APPROACH ON A COUNTY ROAD.
12. CULVERT SIZE AND MATERIAL SUBJECT TO THE APPROVAL OF COUNTY.

P.L.S. C:\PST\1\00 PROJECTS\22301\WDR-A51.DWG

**DRIVEWAY APPROACH
RURAL ROADS - NOTES****MENDOT
STD. NO.
A51C**

SCALE: NONE | DESIGN: HND | DRAWN: HND | FEB. 2008

PAGE: A-41

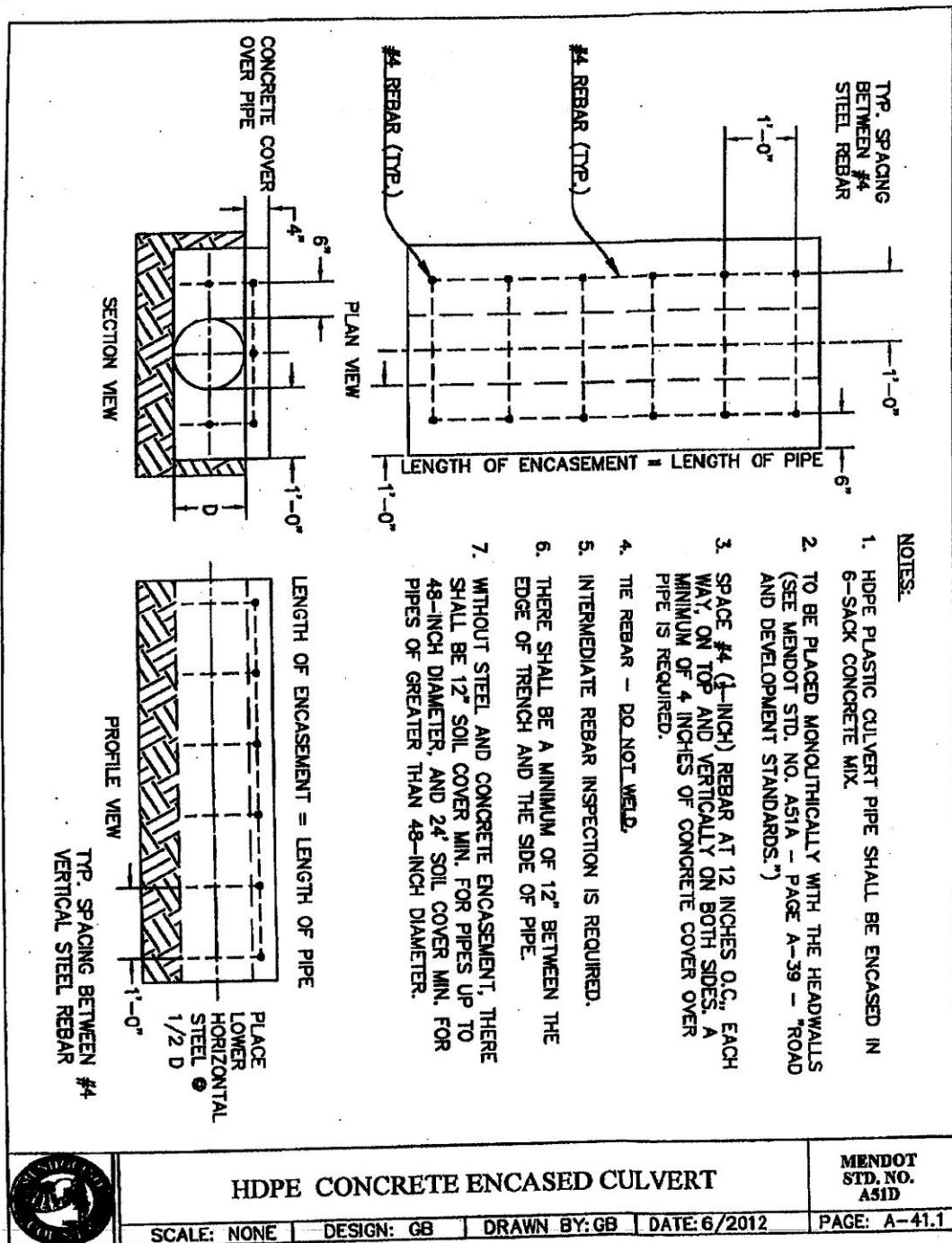
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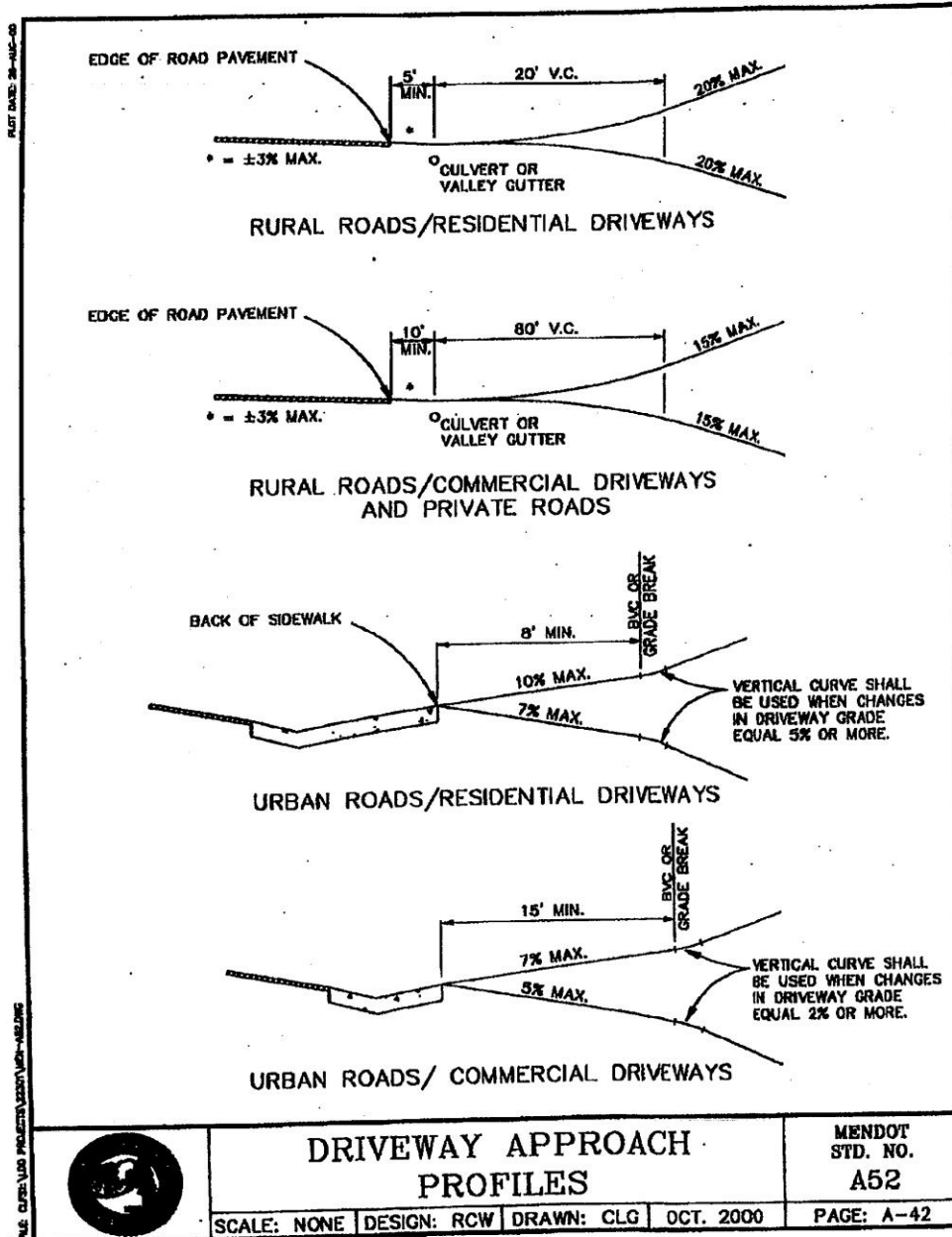
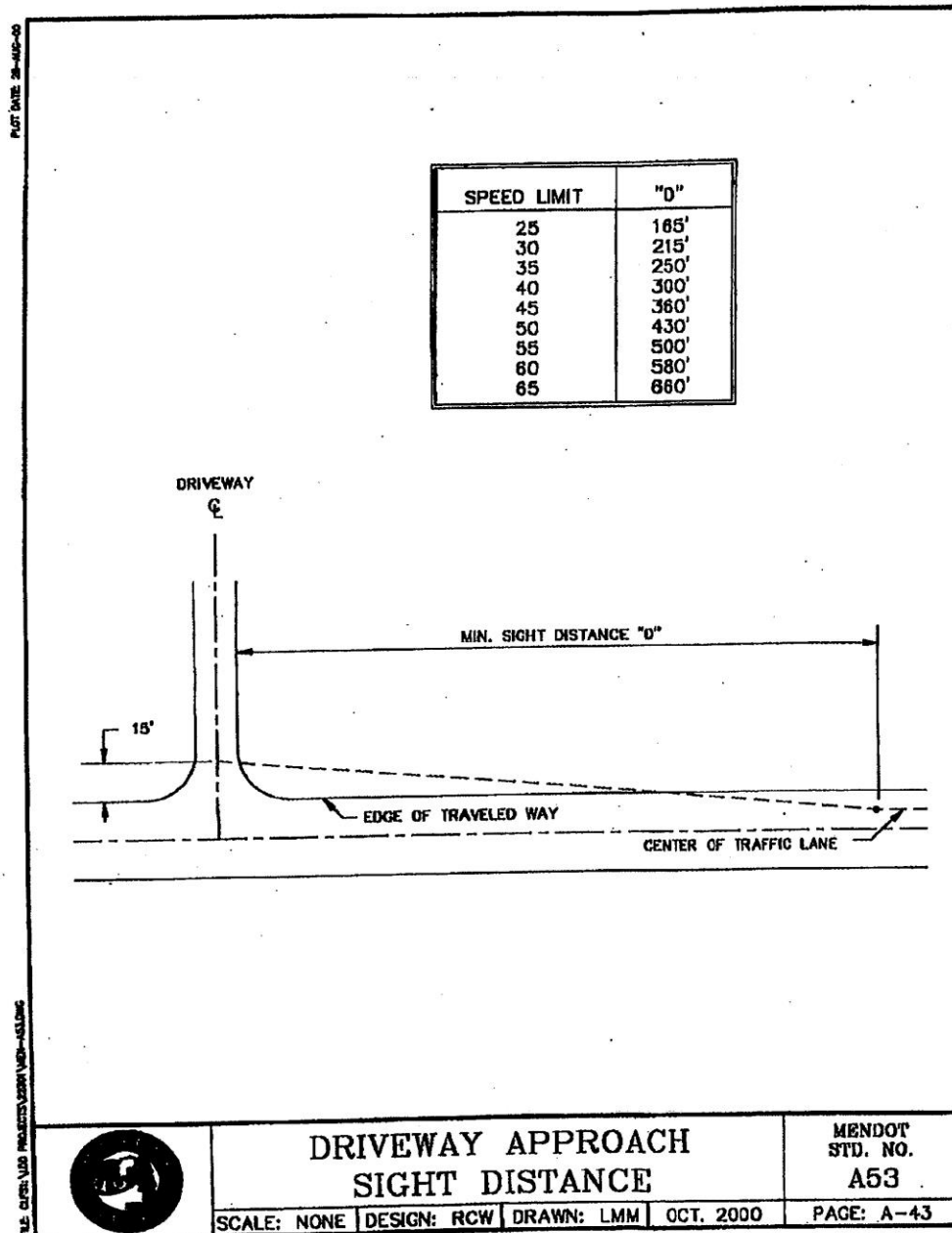


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**JACKSON
DEMONSTRATION
STATE FOREST** 

Mendocino County Road 408 Encroachment Project
WATER POLLUTION CONTROL PLAN

Contents

1. Project Information
2. BMPs
3. Site Map
4. Site Photos
5. WPCP Certification/Approval

Project Information

Location: Mendocino County Road 408, between the 8 and 8.75 mile markers. The legal description is T17N; R17W; Sections 1 & 2; MDB&M.

WPCP Prepared for: Jackson Demonstration State Forest
802 N. Main Street
Fort Bragg, CA 95347
(707) 962-0370

WPCP Submitted by: Julia D. Rhoads
Forester I, RPF #2815
(Contact information same as above)

WPCP Prepared on: December 17, 2013

Project Description

In the area of the proposed encroachments, County Road 408 runs north-south along the ridge dividing the Caspar Creek and the Berry Gulch Planning Watersheds. Jackson Demonstration State Forest (JDSF) has two timber harvesting projects which will require the use of seasonal road approaches to the county road for the purpose of hauling logs. The project will involve reopening of several existing seasonal logging roads associated with the approved Caspar Creek Timber Harvest Plan (1-13-079 MEN) and construction of two new seasonal logging roads on an adjacent plan under preparation (Thompson Gulch THP).

Equipment used for new road construction will include a tractor, grader, excavator and a dump truck. Equipment will not cut into the running surface of the existing County Road 408. Any berm along the county road may be bladed off if needed to facilitate access to existing seasonal roads or new road construction. In order to avoid cutting into County Road 408, a through-fill will be constructed until the new road construction is off of the county road. No culverts will be installed during construction and use. Any inside ditch along the county road removed to facilitate hauling will be returned to original condition at the end of timber operations. Encroachments will be rocked 20' from the edge of the county road and to

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

a minimum compacted depth of 6". Following completion of operations, these roads will be blocked or gated.

The encroachments are all on gentle ridge-top slopes. No watercourses are adjacent. Road drainage structures do not drain into watercourses in the project area. The road encroachment improvements and constructions are expected to commence after April 15 and will be completed by November 15 in the year of expected timber operations 2014-2015.

Best Management Practices**General Prevention and Minimization Measures for Controllable Sediment Discharge**

The encroachment maintenance and construction projects are (or will be) associated with approved Timber Harvest Plans, which provide BMPs for erosion control, soil stabilization, and road construction and maintenance standards. THPs are reviewed by multiple agencies as well as an engineering geologist during project preparation. The THP includes an Erosion Control Plan which is reviewed and administered by the North Coast Regional Water Quality Control Board (NCRWQCB). The THP is enrolled under the NCRWQCB General Waste Discharge program.

In addition to the site specific measures detailed within the environmental documents above, the general measures proposed in this project, either as required by another State or Federal regulating agency, or as a matter of Jackson Demonstration State Forest policy, will prevent or minimize future sediment delivery. These measures include, but are not limited to:

Watercourse Protection Zones

All watercourses receive a protection zone commensurate with classification. The protection may range from limiting equipment operations to exclusion of all harvest activities.

Within these zones, measures to stabilize soil erosion, and prevent discharge of sediment into waters in amounts deleterious to aquatic species or the quality and beneficial uses of water, or that threaten to violate applicable water quality requirements, are applied. No watercourse protection zones occur within the encroachment project areas.

Roads

Practices related to the construction and maintenance of truck roads are key factors in the control of sediment that could be produced from timber harvesting operations. To address this concern, JDSF has focused considerable effort on the proper design and construction of forest roads. The road construction program is geared toward developing mid-slope and ridge top transportation networks that avoid steep slopes and unstable areas. In circumstances where it has been necessary to construct roads on steep slopes, full bench and minimum width roads have been built using end-haul equipment and state of the art construction techniques.

JDSF road construction and maintenance standards and techniques have been developed in conjunction with the *Handbook for Forest and Ranch Roads* (Weaver and Hagans), and *Designing Watercourse Crossings for Passage of 100-year Flood Flows, Wood and Sediment* (Cafferata, Spittler, Wopat, Bundros, and Flanagan).

Maintenance

JDSF compliments proper road design and construction with a strong program to ensure that roads are adequately maintained, particularly in regard to drainage structures and erosion control. JDSF implements the following road maintenance program in its operating areas to ensure that potentially significant impacts from erosion processes related to road maintenance are avoided:

- Roads not surfaced for winter use will be gated or otherwise blocked during the winter period to prevent unauthorized vehicular access and damage to drainage structures. Access on these roads during the winter period will be limited to that necessary for timber falling, or hazard abatement burning, road maintenance inspections, reforestation, wildlife surveys, botanical surveys, and/or

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(Map and Site Plans)**

timber harvest plan layout. Where appropriate, such access will be restricted to the use of low ground pressure all-terrain vehicles.

- Throughout the year, and prior to the onset of the winter period, JDSF forestry staff and road construction foremen will inspect all roads appurtenant to timber harvest plans operated that year. The inspection will assess the effectiveness and quality of all newly installed and existing erosion control structures, and will identify areas needing additional maintenance prior to the winter period. A list will be prepared of those areas identified as needing additional work or repair. Items to be assessed as part of the road inspection program include the following:
 - Waterbars will be inspected to insure proper spacing, depth, interception of the ditch line, and complete diversion of water flow from the road surface.
 - Ditches will be inspected to insure that they are properly functioning and free of debris that could plug the ditch or a culvert and cause diversion of water onto the road surface.
 - The road prism will be inspected to identify areas exhibiting ponding, inadequately breached outside berms, unprotected fresh fill slopes, or other sites that exhibit a potential for cut bank or fill failure.
 - All newly constructed roads will be inspected prior to the winter period to insure that mitigation measures they were included in THPs were properly applied.
- After the pre-winter inspection is completed, a detailed list of maintenance requirements will be given the JDSF road construction and maintenance supervisors to ensure that all observed problems are corrected prior to the winter period.
- Newly constructed roads will be inspected during the winter period. Special attention will be given to road conditions during and after significant storm events so that problems can be promptly identified and corrected. Repairs will be made at the time of inspection if possible. If a larger crew or heavy equipment is necessary to repair a problem, the location will be noted and the repair will be carried out as soon as possible.

Winter Operations

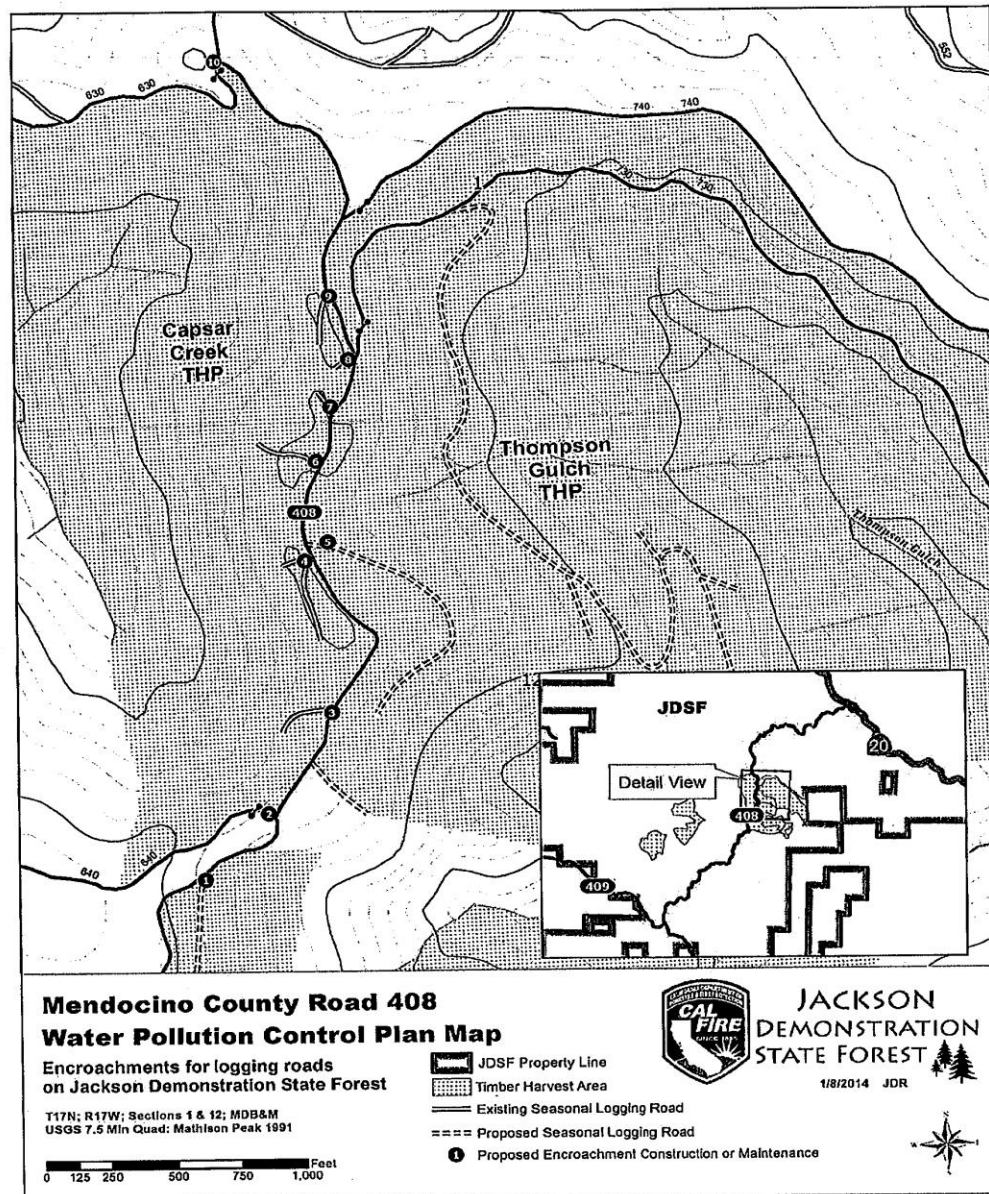
"Winter period" means the period between November 15 and April 1.

- All water-breaks will be installed no later than the beginning of the winter period of the current year of timber operations.
- Installation of drainage facilities and structures is required from October 15 to November 15 and April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.
- Administrative access and maintenance of roads are the possible activities that may occur during the winter period.
- When appropriate, only low ground pressure all-terrain vehicles will be used during the winter period when traveling over seasonal or temporary roads to access the harvest area.
- Yarding, log hauling and construction of logging roads, tractor roads, or landings will not take place during the winter period as part of this THP.

Log Hauling

Log hauling will only occur on haul roads that have a stable operating surface. No log hauling shall occur at any time of the year if greater than .25 inch of precipitation has fallen at the McGuire's RAWs station during the preceding 24 hour period. Hauling may resume only after rain has ceased for 24 hours and no road related turbid water is observed in inside ditches along the roads where hauling may occur. The LTO can access the weather station at the following website: http://raws.wrh.noaa.gov/cgi-bin/roman/meso_base.cgi?stn=MCGC1&time=GMT. During and following periods of significant rain while timber operations are ongoing, the LTO shall inspect logging roads for proper functioning of drainage facilities and structures, and shall take appropriate action to ensure proper functioning

**EXHIBIT A, Attachment 2
(Map and Site Plans)**



**EXHIBIT A, Attachment 2
(Map and Site Plans)**

**Summary of Logging Road Construction & Maintenance BMPs
For Water Pollution Prevention on Encroachments to County Road 408**

- Blade berms or fill inside ditches without cutting into the county road.
- In order to avoid cutting into the county road, a through-fill will be constructed until the new road construction is off the county road.
- After completion of operations, maintain approaches to the county road to drain water away from county road, or reinstall or maintain county road inside ditch.
- Rock surface of new encroachment from 20' of the edge of the county road to a compacted depth of 6".
- Gate or block seasonal roads to prevent vehicular access and damage to drainage structures.
- Encroachments do not cross or drain onto to any watercourse or wet area. No significant impacts to the beneficial uses of water are anticipated.
- Encroachments are, or will be, associated with Timber Harvesting Plans and Erosion Control Plans, and have received multidisciplinary agency review.
- The projects are expected to take place outside the winter period, between April 15 November 15.
- Road construction and erosion control structures will receive inspections and maintenance as required by previously stated permits. These inspections will occur after the completion of operations and through the winter period (November 15 – April 1). As a result of these inspections, any site which will require mitigations will be reported to the County Department of Transportation.
- Log hauling will occur only on roads that have a stable operating surface. Log hauling will be suspended during and for as long as necessary during a storm event at any time of year.
- Encroachment #2- Stabilize soil from ditch cleanout material with rock, straw mulch, or slash.
- The County Road shall be treated for dust abatement when necessary.
- Damage to the County Road due to log hauling will be repaired by the LTO or by JDSF as necessary.

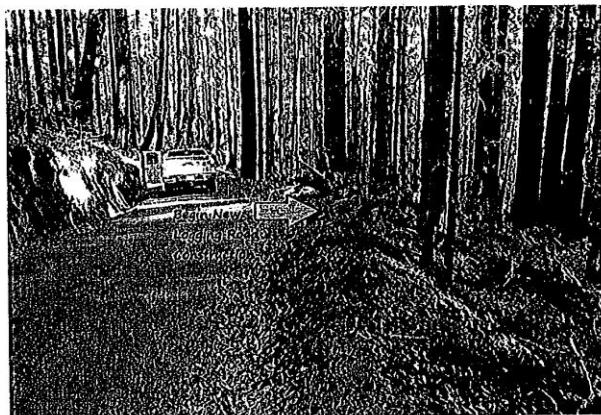
**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Site Photos

Encroachment 1- New Logging Road access to Thompson Gulch THP



View facing west-bound County Road 408



View facing east-bound County Road 408

**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Encroachment 2- Existing Logging Road (JDSF Road 640) access to Caspar Creek THP

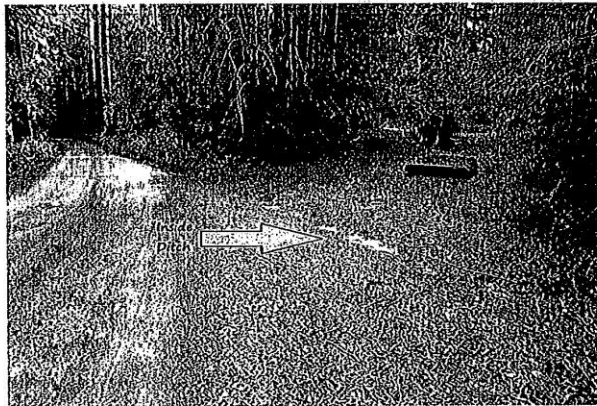


Encroachment 3- Existing Logging Road access to Caspar Creek THP

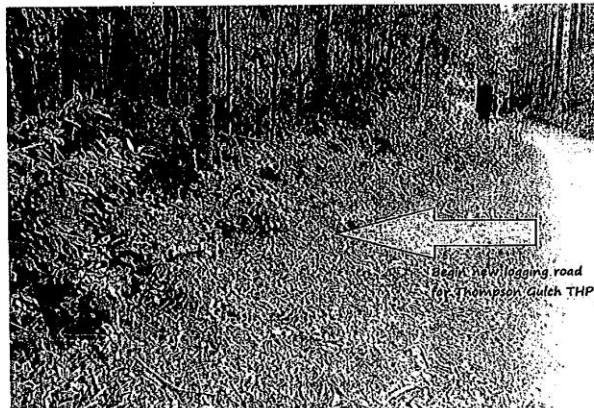


**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Encroachment 4- Existing Logging Road access to Caspar Creek THP

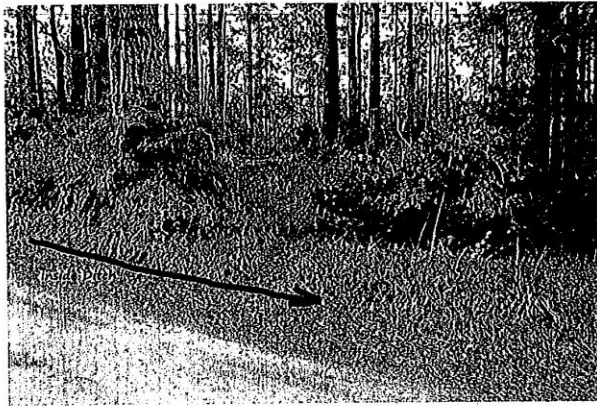


Encroachment 5- New Logging Road access to Thompson Gulch THP

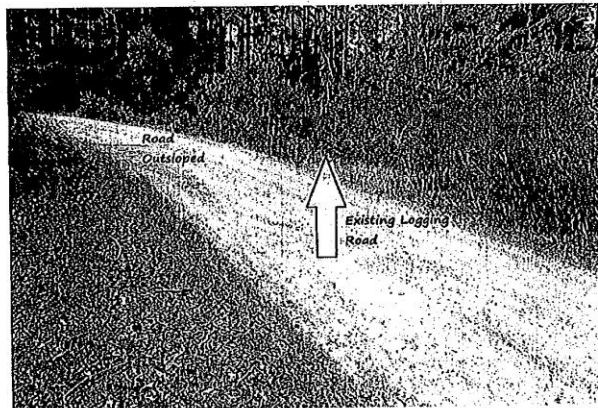


**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Encroachment 6- Existing Logging Road access to Caspar Creek THP



Encroachment 7- Existing Logging Road access to Caspar Creek THP

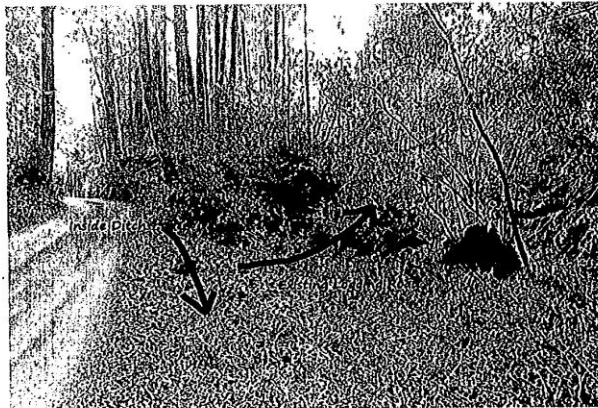


**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Encroachment 8- Existing Logging Road access to Caspar Creek THP

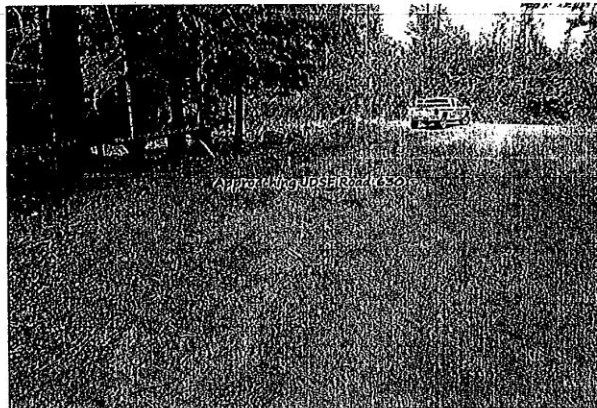


Encroachment 9- Existing Logging Road access to Caspar Creek THP



**EXHIBIT A, Attachment 2
(Map and Site Plans)**

Encroachment 10- Existing Logging Road (JDSF Road 630) access to Caspar Creek THP



**EXHIBIT A, Attachment 2
(Map and Site Plans)**

WPCP Certification

Certified By: Julia D. Rhead Date: 1-8-14

Approved By: Don Linder 1/2/14
(Signature) (Date)

James Linderman Eng. Tech II
(Printed Name) (Title)

**EXHIBIT A, Attachment 2
(Map and Site Plans)**



**MENDOCINO COUNTY
DEPARTMENT OF TRANSPORTATION**

**PERMIT RIDER
FOR
ENCROACHMENT PERMIT NO. TU_2014-0001**

On Encroachment Permit No. TU_2014-0001, Permittee is allowed to use a depth of six (6) inches of Class II aggregate base for all approaches. The above condition only overrides the depth of the base rock for this permit.

Validated
Howard N. Dashiell
Director

A handwritten signature in black ink, appearing to read "Keri Rynearson", is written over the printed name.

(Signature required)
By: Keri Rynearson
Permits
January 28, 2014

**EXHIBIT A, Attachment 3
(Reporting Operating Costs Form)****REPORTING AND OPERATING COSTS FORM**

Page ____ of ____ for ACTIVITY: _____ AREA or UNIT: _____

PART 1. EQUIPMENT

| <u>Equipment Type</u> | <u>No. of Hours Worked</u> | <u>Rate per Hour</u> | <u>Check if *</u> <u>With Oper.</u> | <u>Total Cost</u> |
|-----------------------|----------------------------|----------------------|--|-------------------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

PART 2. LABOR

| <u>Labor Type</u> | <u>No. of Hours Worked</u> | | <u>Rate per Hour *</u> | | <u>Total Cost</u> |
|-------------------|----------------------------|-----------|------------------------|-----------|-------------------|
| | <u>Straight</u> | <u>OT</u> | <u>Straight</u> | <u>OT</u> | |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |

* Labor rates, whether with equipment rates or listed separately, must include state comp insurance, benefits, and other employer costs.

PART 3. MATERIALS, SERVICES, OVERHEAD, ETC.

| <u>Item</u> | <u>Quantity</u> | <u>Unit</u> | <u>Cost/Unit</u> | <u>Total Cost</u> |
|-------------|-----------------|-------------|------------------|-------------------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

Attach additional information as appropriate.

[illegible]

**EXHIBIT A, Attachment 4
(Water Drafting Log Book Form)**

WATER SUPPLY REPORTING FORM

Page ____ of ____ for BEGINNING DATE: _____ END DATE _____ AREA or UNIT: _____

DATE

MILES

TOTAL MILES OF ROAD WATERED WITH WATER PROVIDED BY PURCHASER THIS PERIOD _____

EXHIBIT B
(Budget Detail and Payment Provisions)**BUDGET DETAIL AND PAYMENT PROVISIONS****1. BID DEPOSIT/ADVANCE PAYMENT.**

The deposit of \$34,000.00 submitted with the bid for this timber shall be held by the STATE as a guarantee that all periodic payments as called for by the Timber Sale Officer shall be made in advance of cutting of timber referable thereto and for the satisfactory performance by the PURCHASER of all the terms and conditions hereof. If the PURCHASER's bid exceeds the advertised minimum rate by 25 percent, the PURCHASER shall increase the bid deposit to 2.5 percent of the estimated total value of the bid prior to STATE approval of this Agreement. This deposit shall be applied by the STATE to any final payments called for by the Timber Sale Officer upon completion of faithful performance by the PURCHASER. No cutting shall proceed on any trees for which payments have not been made. During active operations, the Timber Sale Officer shall establish a payment schedule based on the estimated rate of cutting. Periodic payments will be required in increments of not less than the value of two weeks of cutting, and shall be based on three-week cutting projections provided to the STATE by the PURCHASER. Cutting projections shall be updated each week by the PURCHASER at the time weekly falling scale is reported, as described in Section 11.p of this Agreement. Payments shall be made when requested by the STATE. If payment is not received by the date requested, the STATE may suspend the PURCHASER's operations until payment is received.

If legal action by a third party prevents the initiation of timber harvesting activities within 90 days of STATE approval of this Agreement, the PURCHASER may request and the STATE will approve the termination of the Agreement without prejudice, and the STATE will return the PURCHASER's performance security and bid deposit(s), not including any accrued interest. The PURCHASER's written request for termination must be submitted within the 90-day period and must reference this condition of the Agreement.

2. Payment Schedule

A.

- 1) For final payment, all merchantable material in accordance with the terms and conditions stated herein, and upon receipt of the Timber Sale Cutting Report, the PURCHASER agrees to compensate the STATE in accordance with the rates specified as follows based on 100% scale pursuant to the Revised Scribner Log Rule:

| Merchantable Species Value | Rate per Mbf |
|----------------------------|-------------------|
| Redwood | \$ [/mbf] |
| Douglas - fir | \$ 40.00 |
| Grand fir, Western Hemlock | \$ 40.00 |

- 2) The final payment shall be reduced by \$270.00 per mile of watered road for each day that water is delivered by the PURCHASER from alternative sources at the direction of the Timber Sale Officer.
- 3) Hardwoods removed from the sale area shall be paid for at the rate of \$0.20 per ton.
- 4) Cull logs or conifer species not merchantable shall be paid for at the rate of \$1.25 per ton, or at \$5.00 per thousand board feet gross scale, if scaled.

EXHIBIT B
(Budget Detail and Payment Provisions)

B. The contractor shall submit periodic advanced stumpage payments based on the estimated three-week rate of cutting. Each payment shall be made for not less than two weeks of cutting. Cutting projections shall be updated each week by the PURCHASER at the time weekly falling scale is reported. Each payment shall contain the following information

- 1) The agreement number (8CA02772).
- 2) The time-period and estimated volume which the payment covers.
- 3) Timber Sale name.
- 4) The signature of an authorized representative of the contractor.
- 5) Certified Small Business or DVBE # if applicable.

C. Payments shall be made to:

California Department of Forestry and Fire Protection
Jackson Demonstration State Forest
Attention: Thompson Gulch Timber Sale
802 North Main Street
Fort Bragg, CA 95437

3. Yield Tax Payment.

A. The PURCHASER shall be solely responsible for filing reports with the State Board of Equalization and payment of the timber yield tax levied on timber cut under this Agreement as provided by the Z'Berg-Warren-Keene-Collier Forest Taxation Reform Act, Statutes of 1976, Chapter 176. The PURCHASER'S yield tax payments shall not be credited in any way for timber cut or other obligations of this Agreement.

The PURCHASER further agrees to furnish the STATE copies of the Timber Yield Tax calculations and reporting forms submitted to the Board of Equalization for timber harvested pursuant to this Agreement. Yield tax information shall be provided no later than January 31 for timber harvested during the previous calendar year.

B. By signing this contract, the PURCHASER swears under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against the PURCHASER within the immediately preceding two-year period because of the PURCHASER'S failure to comply with an order of a federal court which orders compliance with an order of the National Labor Relations Board.

EXHIBIT D
(Special Terms and Conditions)

SPECIAL TERMS AND CONDITIONS

1. Excise Tax

The State of California is exempt from federal excise taxes, and no payment will be made for any taxes levied on employees' wages. The State will pay for any applicable State of California or local sales or use taxes on the services rendered or equipment or parts supplied pursuant to this Agreement. California may pay any applicable sales and use tax imposed by another state.

2. Settlement of Disputes

In the event of a dispute, within ten (10) days of discovery of the problem contractor shall file a "Notice of Dispute" with:

Department of Forestry and Fire Protection
Attention: Acquisitions Manager
P.O. Box 944246
Sacramento, CA 94244-2460

Within ten (10) days of CAL FIRE receiving contractor's notice, the contracts manager or designee shall advise contractor of the findings and recommend a method to resolve the dispute. Decision of the contracts manager or designee shall be final.

In the event of a dispute, the language contained within this Agreement shall prevail over any other language including that of the bid proposal.

3. Right to Terminate (SCM 7.85)

The State reserves the right to terminate this agreement immediately if any of the performance criteria are not met. (Refer to GTC, Exhibit C, Item 7. Termination for Cause)

Contractor may submit a written request to terminate this agreement only if the State should substantially fail to perform its responsibilities as provided herein.

4. Potential Subcontractors

Nothing contained in this Agreement or otherwise, shall create any contractual relation between the STATE and any subcontractors, and no subcontract shall relieve the PURCHASER of his responsibilities and obligations hereunder. The PURCHASER agrees to be as fully responsible to the State for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by the PURCHASER. The PURCHASER'S obligation to pay its subcontractors is an independent obligation from the STATE'S obligation to make payments to the Contractor. As a result, the STATE shall have no obligation to pay or to enforce the payment of any moneys to any subcontractor.

5. Evaluation of Contractor

Performance of the Contractor under this Agreement will be evaluated. The evaluation shall be prepared on Contract/Contractor Evaluation Sheet (STD 4), and maintained in the Agreement file. For consultant agreements, a copy of the evaluation will be sent to the Department of General Services, Office of Legal Services, if it is negative and over \$5,000.

EXHIBIT D
(Special Terms and Conditions)

6. Agency Liability

The Contractor warrants by execution of this Agreement, that no person or selling agency has been employed or retained to solicit or secure this Agreement upon agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty, the State shall, in addition to other remedies provided by law, have the right to annul this Agreement without liability, paying only for the value of the work actually performed, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

7. Force Majeure

Neither party shall be liable to the other for any delay in or failure of performance, nor shall any such delay in or failures of performance constitute default, if such delay or failure is caused by "Force Majeure." As used in this section, "Force Majeure" is defined as follows: Acts of war and acts of God such as earthquakes, floods, and other natural disasters such that performance is impossible.

8. Contractor Name Change

Contractor shall provide a written notice to the State at least thirty (30) days prior to any changes to the Contractor's current legal name.

EXHIBIT E
(Additional Provisions)

ADDITIONAL PROVISIONS

1. Insurance Requirements.

A. General Provisions Applying to All Policies.

- 1) Primary Clause - Any required insurance contained in this contract shall be primary, and not excess or contributory, to any other insurance carried by the State.
- 2) Endorsements - Any required endorsements requested by the State must be physically attached to all requested certificates of insurance and not substituted by referring to such coverage on the certificate of insurance.
- 3) The Department will not provide for nor compensate Contractor for any insurance premiums or costs for any type or amount of insurance.
- 4) When Contractor submits a signed contract to the State, Contractor shall furnish to the State a certificate of insurance stating that all required insurance is in effect for the Contractor.

B. General and Commercial Liability Insurance.

Contractor shall provide commercial general liability insurance of not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined in effect for the Contractor.

The certificate of insurance will include provisions 1, and 2, in their entirety:

- 2) That the insurer will not cancel the insured's coverage without 30 days prior written notice to the State.
- 3) That the State of California, its officers, agents, employees, and servants are included as additional insured, but only insofar as the operations under this contract are concerned.

Contractor agrees that the bodily injury liability insurance herein provided for shall be in effect at all times during the term of this contract. In the event said insurance coverage expires at any time or times during the term of this contract, Contractor agrees to provide at least 30 days prior to said expiration date, a new certificate of insurance evidencing insurance coverage as provided for herein for not less than the remainder of the term of the contract, or for a period of not less than one year. New certificates of insurance are subject to the approval of the Department of General Services, and Contractor agrees that no work or services shall be performed prior to the giving of such approval. In the event the Contractor fails to keep in effect at all times insurance coverage as herein provided, the State may, in addition to any other remedies it may have, terminate this contract upon occurrence of such event.

C. Worker's Compensation Insurance.

Contractor shall provide Worker's Compensation Insurance with Waiver of Subrogation in favor of the State of California. Employer's liability shall be not less than \$1,000,000.00. The following clause should be included: "Waiver of Subrogation in favor of the State of California or in favor of CAL FIRE:" By signing this Agreement, the Contractor hereby warrants that it carries Workers' Compensation Insurance on all of its employees who will be engaged in the performance of this Agreement. If Staff provided by the Contractor is defined as independent contractors, this clause does not apply.

D. Commercial Automobile Insurance on Owned, Hired, and/or Non-Owned vehicles.

Contractor shall provide Commercial Automobile Insurance on Owned, Hired, and/or Non-Owned vehicles of not less than \$1,000,000.00 policy.

EXHIBIT E
(Additional Provisions)

2. Regulations.

- A. Contractor shall observe and comply with all federal, state, city, and county laws, rules or regulations affecting the work. Any work done that does not comply with any laws, rules, or regulations will be remedied at the Contractor's expense.
- B. Contractor shall cooperate with the Department of Forestry and Fire Protection (CAL FIRE) authorities and shall observe and comply with all regulations presently in force on Department of Forestry and Fire Protection grounds.
- C. The PURCHASER, in all activities under or pursuant to this Agreement, as well as in handling, reselling or otherwise dealing with respect to the timber and other material realized by the PURCHASER by reason of this Agreement, whether such timber and other material is in its original form or in a changed form, agrees to comply in all respects with all lawful acts, rules, regulations and directions of any legislative, executive, administrative or judicial body or officer exercising any power of regulation or supervision with respect to such matters and whether arising out of the provisions of this Agreement or otherwise.
- D. The PURCHASER shall comply with all applicable State Safety Orders, Title 8, California Code of Regulations.
- E. The PURCHASER and PURCHASER's employees, agents, contractors and subcontractors shall comply with the attached Digest of Laws Related to Association with Prison Inmates, Exhibit F.
- F. No provision of this Agreement shall authorize the PURCHASER or PURCHASER's agents or servants to act as an officer, agent, or employee of the STATE.
- G. If the PURCHASER breaches any of the provisions of this Agreement, the STATE may serve written notice of such breach upon the PURCHASER, and thereupon the STATE may suspend the operations of the PURCHASER hereunder until such time as such breach is remedied, and if such breach is not remedied within ten days, the STATE may, at its option, without further notice, terminate this Agreement.

3. License and Permits.

- A. The Contractor shall be an individual or firm currently licensed to do business in California and shall obtain at his/her expense all license(s) and permit(s) required by law for accomplishing any work required in connection with this contract. In the event the Contractor fails to keep in effect at all times all required license(s) and permit(s), the State may, in addition to any other remedies it may have, terminate this contract upon occurrence of such event.
- B. If you are a Contractor located within the State of California, a business license from the city/county in which you are headquartered is necessary however, if you are a corporation, a copy of your incorporation documents/letter from the Secretary of State's Office can be submitted. If you are a Contractor outside the State of California, you will need to submit to the California Department of Forestry and Fire Protection Contracts Unit a copy of your business license or incorporation papers for your respective State showing that your company is in good standing in that State.

4. Performance Bond.

As further guarantee of a faithful performance of the conditions of this Agreement, the PURCHASER delivers herewith a faithful performance bond, or approved alternate form of security, satisfactory to the STATE in the sum of seventy-eight thousand dollars (\$78,000.00). Upon satisfactory completion of all timber harvesting activities, the PURCHASER may request a one-time reduction of this security to an amount determined by the STATE to be sufficient to cover all remaining provisions of this Agreement.

EXHIBIT E
(Additional Provisions)

Alternate forms of security in lieu of a performance bond are:

- A. Certificate of deposit with the California Department of Forestry and Fire Protection as payee, issued by a bank or similar financial institution which is a member of the Federal Reserve System or is insured by the Federal Deposit Insurance Corporation.
- B. Irrevocable letter of credit issued by a bank or financial institution which is a member of the Federal Reserve System or is insured by the Federal Deposit Insurance Corporation.

All bonds, letters of credit, or certificates of deposit, must be in a form acceptable to the STATE.

The PURCHASER agrees that all monies deposited and the faithful performance bond, or security, delivered under this Agreement may, upon failure on the PURCHASER's part to fulfill all and singular the requirements herein set forth or made a part hereof, may be retained by the STATE to be applied as far as may be to the satisfaction of the PURCHASER's obligations assumed hereunder, without prejudice whatever to any other rights and remedies of the STATE. As soon as the STATE determines that security for the performance of the terms of this Agreement or provisions for the settlement of claims or for damages incident thereto is no longer necessary to be retained or made, any balance of the initial deposit that may be left after applying it to any payment due or owing will be returned to the PURCHASER.

5. Camp Access Instructions

Individuals who are not employees of the California Department of Corrections and Rehabilitation (CDCR) or the California Department of Forestry and Fire Protection (CAL FIRE), but who are working in and around inmates who are incarcerated within California's camps, are to be apprised of the laws, rules and regulations governing conduct in associating with prison inmates. The following is a summation of pertinent information when non-departmental employees come in contact with prison inmates.

By signing this contract, the Contractor agrees that if the provisions of the contract require the Contractor to enter a camp, the Contractor and any employee(s) and/or subcontractor(s) shall be made aware of and shall abide by the following laws, rules and regulations governing conduct in associating with prison inmates:

- A. Contractor, contractor's employee(s) and/or subcontractor(s) shall observe all security rules and regulations and comply with all instructions given by institutional authorities.
- B. Contractor and contractor's employee(s), and/or subcontractor(s) must complete and submit a Camp Access Clearance Form prior to providing services. This form must be completed for all persons entering the facility a minimum of ten (10) working days prior to commencement of service. Information may be submitted to the Contract Manager or their designee. Form may be subject to a CDCR California Law Enforcement Telecommunications System (CLETS) check. This check will include Department of Motor Vehicles, Wants and Warrants, and Criminal History checks.
- C. All persons entering the facility must have a valid state driver's license or photo identification card on their person.
- D. All persons entering into a camp consent to search of their person, property or vehicle at any time. Refusal by individuals to submit to a search of their person, property, or vehicle may be cause for denial of access to the premises.
- E. It is illegal for an individual who has been previously convicted of a felony offense to enter into camps without the prior approval of the Warden. It is also illegal for an individual to enter onto these premises for unauthorized purposes or to refuse to leave said premises when requested to do so. Failure to comply with this provision could lead to prosecution.

EXHIBIT E
(Additional Provisions)

- F. Encouraging and/or assisting prison inmates to escape are a crime. It is illegal to bring firearms, deadly weapons, explosives, tear gas, drugs or drug paraphernalia on camp premises. It is illegal to give prison inmates firearms, explosives, alcoholic beverages, narcotics, or any drug or drug paraphernalia, including cocaine or marijuana.
- G. It is also illegal to give or take letters from inmates without the authorization of the Warden. It is also illegal to give or receive any type of gift and/or gratuities from prison inmates.
- H. In an emergency situation the visiting program and other program activities may be suspended.
- I. CDCR does not recognize hostages for bargaining purposes. CDCR has a "NO HOSTAGE" policy and all prison inmates, visitors, and employees shall be made aware of this.
- J. For security reasons, while on camp grounds, Contractor, contractor's employee(s) and/or subcontractor(s) shall be professionally and appropriately dressed in clothing distinct from that worn by inmates at the camp. Visitors must not wear clothing that in any way resembles state issued prison inmate clothing. Specifically orange/red/yellow/white/chartreuse jumpsuits and/or yellow rainwear shall not be worn onto camp grounds, as this is inmate attire.
- K. Unless otherwise directed by the entrance gate officer and/or Contract Manager, the contractor, contractor's employee(s) and/or subcontractor(s) shall enter the camp through the main entrance gate and park private and nonessential vehicles in the designated visitor's parking lot. Contractor, contractor's employees and subcontractors shall remove the keys from the ignition when outside the vehicle and all unattended vehicles shall be locked and secured while on institution grounds.
- L. Gate clearance may be denied for the following reasons: Individual's presence in the camp presents a serious threat to security, individual has been charged with a serious crime committed on institution property, inadequate information is available to establish positive identity of prospective individual, and/or individual has deliberately falsified their identity.

EXHIBIT E
(Additional Provisions)**CAMP ACCESS CLEARANCE FORM**

The following information is required of all contractor employees who will be on the property of a CDCR/CAL FIRE Conservation Camp. All applications will be processed for approval.

| | |
|-----------------------------------|--|
| Name of Company | |
| Employee | |
| Date of Birth | |
| Birth Location & State | |
| Employee Driver's License | |
| Social Security Number | |
| Signature | |
| Date | |

**EXHIBIT E
(Additional Provisions)**

6. SB/DVBE Activity Reports

The Contractor is required to furnish the Department with reports of SB and/or DVBE subcontractor activity. Reports are to be made on a semi-annual basis and must identify the subcontractor, the services performed or commodities used and the total paid to the subcontractor during the period reported. A final activity report is to be submitted prior to the contract expiration date. If multiple SB and/or DVBE subcontractors are providing services or commodities, the Contractor must furnish individual reports for each SB and/or DVBE used.

Reports are due on June 15th and November 1st for each year the contract is in place. At the Department's request, the Contractor shall submit copies of the SB and/or DVBE subcontractor's paid invoices issued for that semi-annual reporting period or final report.

If the Contractor fails to furnish the required reports, the Department may withhold final payment until the Contractor provides the required reports and, when requested by the Department, copies of paid invoices.

Final reports must be received by the Department at least 14 days prior to the contract expiration date.

Reports shall be made using the Small Business and Disabled Veteran Business Enterprise Activity Report form, Exhibit E, Attachment 1. All reports shall be made to the Department of Forestry and Fire Protection's SB/DVBE Advocate as follows:

By mail to:

Department of Forestry and Fire Protection
Business Services Office
Attn: SB/DVBE Advocate
P.O. Box 944246
Sacramento, CA 94244-2460

7. Contractor Certification of Payment to Small Business and DVBE Subcontractor(s)

- A. If for this Contract, Contractor made a commitment to achieve small business participation, then Contractor must within 60 days of receiving final payment under this contract (or within such other time period as may be specified elsewhere in this contract) report to the awarding department the actual percentage of small business participation that was achieved (Gov. Code §14841)
- B. If for this Contract, Contractor made a commitment to achieve disabled veteran business enterprise (DVBE) participation, the Contractor must within 60 days of receiving final payment under this Contract (or within such other time period as may be specified elsewhere in this Contract) certify in a report to the awarding department: (1) the total amount the prime Contractor received under the Contract; (2) the name and address of the DVBE(s) that participated in the performance of the Contract; (3) the amount each DVBE received from the prime Contractor; (4) that all payments under the Contract have been made to the DVBE; and (5) the actual percentage of DVBE participation that was achieved. A person or entity that knowingly provides false information shall be subject to a civil penalty for each violation not less than \$2,500 and not to exceed \$25,000. (Military & Veterans Code §999.5(d); Govt. Code §14841)

Contractor Certification must be made using the Department's "Small Business (SB) and Disabled Veteran Business Enterprise (DVBE) Subcontractor Payment Certification" form on Exhibit E, Attachment 1.

EXHIBIT E. Attachment 1**SMALL BUSINESS (SB) AND DISABLED VETERAN BUSINESS ENTERPRISE (DVBE) SUBCONTRACTOR PAYMENT CERTIFICATION**

As Contractor of record for the Department of Forestry and Fire Protection, Contract number _____, I certify, in accordance with Government Code 14841 and Military and Veteran Code § 999.5, that pursuant to the terms and conditions of the contract, all payments have been made to the Small Business or DVBE firm(s) listed below for commodities or services rendered as the SB or DVBE subcontractor(s) of record. I understand certification must be made to the Department of Forestry and Fire Protection within 60 days of receiving final payment under this Agreement. I further understand and acknowledge that falsification of this Certification may result in the imposition of civil or criminal penalties for not less than \$2,500 or more than \$25,000 for each violation.

Please copy this form to include as many Small Businesses or DVBE firms as necessary. Authorized signatures and information are required on each separately submitted form. Return to: Department of Forestry and Fire Protection, Business Services Attn: West Ramsey, SB/DVBE Advocate, P.O. Box 944246, Sacramento, CA 94244-2460

SMALL BUSINESS/DVBE SUBCONTRACTOR INFORMATION

| | | | |
|---|---------|--|------|
| Contract Firm Name | | | |
| Name of Firm Representative | | | |
| Title | | | |
| | Phone: | Fax: | |
| Firm Address | Street: | | |
| | City: | State: | Zip: |
| Contract Number | | | |
| Total Amount Received Under this Contract | \$ | Date Final Payment Received: / / | |

SMALL BUSINESS/DVBE SUBCONTRACTOR INFORMATION

| SB/DVBE Subcontractor | Street Address | City | State | Zip | Amount Paid | Participation Achieved |
|-----------------------|----------------|------|-------|-----|-------------|------------------------|
| | | | | | | % |
| | | | | | | % |
| | | | | | | % |
| | | | | | | % |
| | | | | | | % |

| | | | |
|---------------------|--|---------------------|--|
| Printed Name | | Signature: | |
| Title: | | Report Date: | |

EXHIBIT F
(Digest of Inmate Laws)

DIGEST OF LAWS RELATED TO ASSOCIATION WITH PRISON INMATES

The sale area lies in the vicinity of Parlin Fork Conservation Camp, a minimum-security California Department of Corrections prison facility. All persons entering the Conservation Camp or the sale area are to be familiar with the following:

1. It is a felony for anyone to assist inmates to escape. Bringing firearms, deadly weapons, explosives, or tear gas onto prison grounds, or giving inmates firearms, weapons, explosives, liquor, cocaine or other narcotics, or any kind of drugs, including marijuana, is a felony.
2. Giving letters to inmates or taking letters out for inmates is a misdemeanor. Additionally, do not accept from, nor deliver to, an inmate any message or package.
3. Giving gifts or presents to inmates, or accepting gifts or presents from inmates, is a misdemeanor.
4. Do not permit former inmates or persons of disreputable character to associate with inmates.
5. Do not allow any inmate to use a telephone or other communications device.
6. Do not allow any person not associated with the camp program or work project to associate with inmates or interfere with inmate activity. Visitors must conform to rules stipulated by the person in charge of custody.
7. Do not in any way contact or communicate with families or known associates of inmates for any purpose.
8. No person shall strike or lay hands on an inmate unless it be in defense of himself or unless it be necessary to prevent serious injury to person or property.
9. All persons should avoid becoming involved in the personal affairs of inmates or former inmates.
10. Do not photograph nor allow anyone to photograph inmates, unless permission is obtained in accordance with the Department of Corrections procedures.
11. Refusal of visitors to submit to search and inspection of their person and of vehicles may be cause for denial of access.